## CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

FEBRUARY 21 1959

## 1959 Display Stand for BARTEX Superstyles

Stand, easily adjustable to fill large or small space, comes complete with 39 Bartex Superstyles including bonus of 3 Superstyles for display.



#### 1959 SELLING CAMPAIGN INCLUDES

- \*\* Bonus Offer and Bartex MP22 & MP23
- \* Attractive New Sales Aids
- \*\* Powerful T.V. Advertising on all channels, May, June, July

ARTEX THE ONLY SUNGLASSES WITH A FREE HOLIDAY WEATHER INSURANCE



## Potter's

## PHARMACEUTICAL PRODUCTS

made by the sole manufacturers

#### POTTER & CLARKE

Other good-selling Potter's lines:

GLUCOSE MIXED FRUIT PASTILLES

ANTEXEMA (Liquid & Granules)

CHAMELEON OILS (Human & Veterinary

THROUGH WHOLESALERS ONLY, PLEASE!



**Potter's** 

NEW RANGE OF PHARMACEUTICAL PASTILLES:

GEE'S LINCTUS B.P.C.

GLYCERIN, LEMON GLYCERIN & BLACKCURRANT

\_

ANTISEPTIC THROAT

GLYCERIN OF THYMOL

MENTHOL AND EUCALYPTOL

CHERRY COUGH

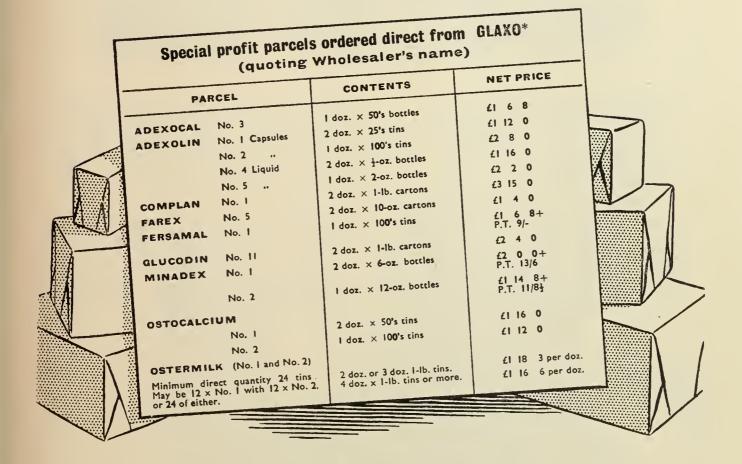


Sole Proprietors and Manufacturers:

POTTER & CLARKE LTD · RIVER ROAD · BARKING · ESSEX · TEL: RIPpleway 1105-8

#### Order these

### **GLAXO PRODUCTS**



#### this way - IN PARCELS

#### **BECAUSE**

this is the profitable way to do more Glaxo business. Bigger direct orders save time and mean bigger profit margins for you.

#### BECAUSE

in this way Glaxo products reach you direct from the production lines by the quickest possible route.

#### BECAUSE

it helps your stock control. Regular bulk orders mean less accounting with less risk of being caught 'out of stock'.

#### Quick turnover

OF GLAXO PRODUCTS
IS ENCOURAGED
BY THE DISPLAY
OF BRIGHT NEW
SHOWCARDS, CROWNERS
AND DISPLAY
OUTERS.



• SOUTH, MIDLANDS AND NORTH EAST: Greenford, Middlesex. BYRon 3434 NORTH WEST: Bridge Street, Dukinfield, Cheshire. Denton 4371 SCOTLAND: Bargeddie, Ballieston, Glasgow. Ballieston 2373

## PROTECT YOUR PROFIT AGAINST PURCHASE TAX LOSSES!

Don't let possible reductions in purchase tax rates involve you in any loss of profit!

Insure against Budget Day shocks by taking advantage of the Radian guarantee.

This guarantee is to refund in full the difference between the old and new tax on stock remaining at the date of any announcement on or before the 1959 Budget and ordered between now and the Budget.

But remember to order now. Don't miss a pennyworth of profit from the ever-popular Radian range!



#### FREE For you and your family . . .

RADIAN PRODUCTS include:
RADIAN-B Aspirin Spirit Liniment
RADIAN-a Spirit Dressing
RADIAN MASSAGE CREAM
RADIAN SOOTHING CREAM
RADIAN BATH SALTS
RADIAN OVALS

Order now from



Radian House, 78 Upper Richmond Rd., London, S.W.15 Tel. VANdyke 1642 & 2692 Radian Sample Package. You cannot confidently recommend a product until you have experienced its benefits yourself. That's why we offer you and your family a Free Sample Package of all Radian products. Send this coupon today.

Please send me Free Sample Package.
Name
Address
CD 4

#### I.C.I. Aerosol Insect Spray

## BIG CUTS IN PRICES - PLUS BONUS OFFER!

#### PRICE CUTS

5 oz. reduced from 5/6d. to 4/6d. retail

" 10/6d. to 9/- "
" 17/6d. to 15/- "

20 OZ.

#### **BONUS OFFER**

5% extra discount on these trade prices for all orders received before April 30th:

5 oz. 37/10d. trade doz. (minimum 1 doz.)

12 oz. **75/7d.** trade doz. (minimum  $\frac{1}{2}$  doz.)

20 oz. 126/trade doz. (any quantity)

Note minimum quantities on 5 oz. and 12 oz. packs to qualify for Bonus Terms.

Please discuss credit for existing stocks with our representative when he calls.

Three powerful insecticides combine to make I.C.I. Aerosol Insect Spray outstandingly effective. First, gamma BHC; second, pyrethrin; third, piperonyl butoxide. Together they form an insect spray that is both quick-acting and persistent—lethal to flying insect pests of all kinds, yet harmless to human beings and animals.





Leading women's magazines will carry advertisements for I.C.I. Aerosol Insect Spray in summer issues. Counter leaflets, showcards and crowners are available for your own display.

IMPERIAL CHEMICAL INDUSTRIES LIMITED Pharmaceuticals Division Wilmslow

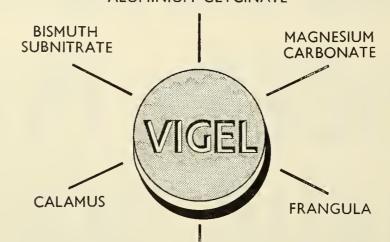
Cheshire

Ph.905

### VIGEL LABLETS

QUICK, SURE RELIEF AND CONTROL IN THE TREATMENT OF GASTRIC AND DUODENAL ULCERS GASTRITIS · HYPERACIDITY AND NERVOUS STOMACH COMPLAINTS

ALUMINIUM GLYCINATE



**DOSAGE** TWO TABLETS THREE TIMES

PACKING **BOTTLES OF** 40 and 120

DAILY

HOSPITAL **TESTED** AND **APPROVED** 

**PRESCRIBABLE** ON E.C.10

SODIUM BICARBONATE

-VIGEL PRODUCTS LTD., 3 KING STREET, SOUTHWELL, NOTTS. Tel. Southwell 2241. -LITERATURE AND SAMPLES SENT ON REQUEST

#### **Price Increase**

on SMALL size

#### T.C.P. **OINTMENT**

from March 2nd, 1959

**NEW TRADE PRICE** 16/6°

**NEW RETAIL PRICE** 

per Doz. Jars

Inc. Pur. Tax

(Large size T.C.P. Ointment remains at 24/9d per Dozen. Retail price, 3/41d per Jar)

T.C.P. Ointment is now being regularly advertised in the National Press. Make sure you have stocks to meet the growing demand.

BRITISH ALKALOIDS LTD. Pinners Hall, Austin Friars, London, E.C.2



Advertisements in the women's magazines for Rozalex barrier creams No.1 and No.8 will be intriguing your customers. So will you have displays ready - and good stocks?

Supplied direct or through your usual wholesaler. ROZALEX LTD., IO NORFOLK ST. MANCHESTER 2

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#### EUPINAL



#### AS PRESCRIBED ON E.C. 10.

FOR

#### **CHRONIC BRONCHITIS & ASTHMA**

Eupinal has been successfully prescribed for many years, and combines the valuable properties of Caffeine with those of lodides in an effective and stable form.

Caffeine acts as a stimulant to the respiratory centre and tends to relieve bronchospasm. Its diuretic properties may also have some effect.

Ammonium lodide acts as an expectorant.

Together in Eupinal, they produce an acceptable and well tolerated mixture, perfectly suitable for children as well as adults.

Very profitable counter sales can be built up

#### PRICES:

	TRADE	P.T.	INCLUDING P.T.		SING PACKS
4 oz.	<b>28</b> /- doz.	8/5 doz.	4/3 each	40 oz.	18/6 each
8 oz.	<b>50</b> /- doz.	15/- doz.	<b>7/6</b> each	80 oz.	36/- each
		also availab	le with Ephedrine.		

A PRODUCT OF Cuxson, Gerrard & Co. Ltd. oldbury, Birmingham

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#### Chilblain sufferers come to you!



PERMICREM

It's more than likely that they'll ask for 'Pernivit' or 'Pernicream' by name. Both are highly dependable and each will justify the space you devote to point-of-sale promotion.

#### 'PERNIVIT' Trade Mark

For treatment and subsequent prevention.

TRADE	RETAIL
Bottle of 50 tablets 2/	3/-
Bottle of 500 tablets 11/8	17/6

#### 'PERNICREAM' Trade Mark

Relieves the inflammation and irritation quickly and effectively.

TRADE RETAIL

Special terms for both products on direct quantity orders
—See BDH information October 1958 for details.

THE BRITISH DRUG HOUSES LTD. LONDON N.





**PROFIT** 

SPECIAL BONUS, OF

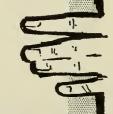
on EVERY gross of MOTHAKS

PLUS EXTRA  $2\frac{1}{2}\%$ 

off your TOTAL ORDER

when you include

PARADOR AIR FRESHENER
PARADOR AEROSOL
MOTHAK FLY SPRAY
MOTHAK POWDER



These wonderful EXTRA PROFITS are backed by bigger advertising than ever for all products

DON'T DELAY ORDER NOW

for immediate delivery or by April 1st

MOTHAK FLY SPRAY

NOW

4/3

THE LOWEST PRICED famous name Aerosol on the market

THOMPSON & CAPPER, LTD. LIVERPOOL.24.

## Don't forget your order for

## TABLETS\*





Narrow Neck RETAIL Feeding Bottle 2/6



### THE ORIGINAL POLYTHENE FEEDING BOTTLES

Hygienic, tasteless, odourless, unaffected by foodstuffs. Standard valves and teats fit narrow neck and boat-shape bottles. Sterilizing instructions with each bottle.

Obtainable from your usual Wholesaler



IF II IB IR IE N Y IL IE

157 DUKES ROAD, LONDON, W.3

By far the best value for this type of product



Boat-shaped Feeding Bottle 2/8



Dual Purpose Feeding Bottle with No-germ Cap RETAIL 4/4

JACW/CD/4

#### **NEW FROM PEARS**

# First baby powder with Roccal\*

You yourself well know the remarkable properties of Roceal. Now it's in Pears Baby Powder. New Pears is just as safe, gentle, fragrant and soothing as other baby powders, but thanks to Roecal, it has far greater protective and prophylaetic powers. It is effective against a wide range of skin organisms and in particular it destroys the bacteria that cause Ammonia Dermatitis. It's an extremely effective body deodorant too.

\*Active Ingredient: 0.2% Benzalkonium Chloride.

#### THIS IS HOW WE'RE BACKING NEW PEARS BABY POWDER

- \* Impressive double page and whole page ads. in all the most widely read mother-and-baby magazines.
- \* Special advertising to nurses and midwives.
- \* Attractive display material for your shop.

#### MAY WE COUNT ON YOUR SUPPORT?

Your advice as a chemist counts for a very great deal, and by recommending this remarkable new powder to your customers, you will be rendering them a service.

#### STOCK

#### PEARS baby POWDER

PBP/3/7250





## Introducing Max

#### Look at the Packs

Specially designed to appeal strongly to women. Gay, arresting, with unbreakable plastic tops in matching pastel colours. Eye catching, easily recognised and remembered.



### Stock up with max

These three Max products are the forerunners of the biggest range of Aerosols

ever planned. The Max range is made to exacting and advanced formulae—brilliantly efficient, technically supreme, safe and simple for women to use.

SOON EVERYONE WILL KEE'

## the New aerosol range at 4/6

### T.V. every night for 14 weeks

EVERY WEEK FOR 13 WEEKS

PIUS ALL HOME MAGAZINES

CONTINUOUSLY FOR FOUR MONTHS

PIUS TRADE PRICE 40/6d PER DOZ.

RODUCTORY BONUS OFFER UP TO APRIL 30th

210 Extra discount on orders of orders of 1½ dozen (½ dozen of each)

50 Extra discount on orders of orders of 3 dozen (1 dozen of each)

710 Extra discount on orders of orders of 6 dozen (your choice)

 $m{ imes}$  You can order  $m{\mathbb{M}} a m{\mathrm{X}}$  from your usual wholesaler

**MONDART LIMITED, 49 PARK LANE, LONDON, W.1** HYDE PARK 2155

A Max ABOUT THE HOUSE



It's a healthy sign for sales -when you stock new coloured Bronco

Bronco

## BIG TV CAMPAIGN INTRODUCES NEW

Bronco
To THE MIDLANDS

Bonco now comes in a range of bright pastel shades — and it comes for to the Midlands! That's the good news that commercials on Milands TV will be taking into thousands of homes during March and April — news that will bring a big boost to Bronco sales throughout this densely-populated industrial area.

f you serve the Midlands, you can expect an increased demand for Bnco, Britain's finest toilet tissue—pushing your sales and your pifits to a new all-time high. Make sure you're prepared by stocking with new coloured Bronco toilet rolls now.

#### POPULARITY PROVED

A series of consumer tests recently carried out proved that housewives welcomed coloured Bronco. Wherever it was displayed it was quickly sold;out—positive proof of its popularity. On the strength of these encouraging test results, the Midlands has been chosen as the area for the introduction of coloured Bronco.

Te BRITISH PATENT PERFORATED PAPER Co. Ltd., Hackney Wick, E.9 · AMHerst 4777 (5 lines)



OOD HOUSEKEEPING INSTITUTE



Normal Price per Doz

	140/mai 111cc pci Doz.	special lince per boz.	Tour Tronc
2 DOZEN	I 4/-	13/6	35.71%
½ GROSS	13/6	12/9	39·29%
I GROSS	13/-	12/-	42.86%

Prices are STRICTLY NET and apply only to direct orders (Carriage Paid  $\frac{1}{2}$  gross and over)

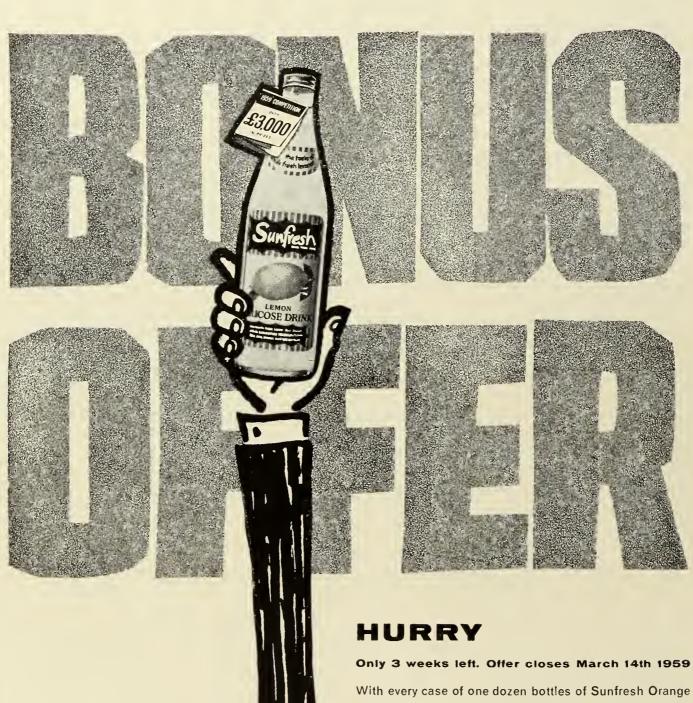
#### BIGGEST VALUE FOR MONEY AT 1/9d

- \* The finest W.C. Deodoriser on the Market
- ★ The only deodoriser with patented reinforcement. FLUSH cannot break up
- ★ The only deodoriser with Stainless wire clip and plastic suction cup to hold block firmly in place



THOMPSON & CAPPER LIMITED, LIVERPOOL, 24





With every case of one dozen bottles of Sunfresh Orange concentrate delivered by March 14th one bottle of Sunfresh Lemon Glucose Drink will be given FREE.

ORDER FROM YOUR USUAL SUPPLIER NOW

O. R. Groves Ltd. 20 Jermyn St., London S.W.1. Telephons. Gerrerd 9484. (7 lines)



in dressings packs



Nothing like this before . . . . a complete range of surgical dressings in film-wrapped cartons . . . . unrivalled for display . . . . better-than-ever protection.



NO CHANGE IN PRICE

Certor

Regd.

FILM - WRAPPED

### CARTONNED DRESSINGS

 $B \cdot P \cdot C$ 

Full standard N.H.S. range

BETTER FOR YOUR CUSTOMERS...BETTER FOR YOU...

Also in film-wrapped cartons-

BLUE

printed cartons for Cotton Wool

GREEN
printed cartons for White Lint
RED
printed cartons for Boric Lint

MAROON printed cartons for Gauze

CERTOR BABY COTTON WOOL . MANSIL HOSPITAL COTTON WOOL

#### MACDONALD & SON LTD. of MANCHESTER & LONDON

PORTLAND MILL, ASHTON-UNDER-LYNE, LANCS, 25 HOLYWELL ROW, LONDON, E.C.,2 TELEPHONES: ASHTON-UNDER-LYNE 4422 (10 LINES). BISHOPSGATE 4809 (2 LINES)







#### FREE DISPLAYS

These unique displays—either one large "Major" or two "Minor" as you wish, are given FREE with every 4 doz. "Ultraglaze" assortment, which is supplied in special easy-view dispenser pack.

#### "ULTRAGLAZE" LENSES

A facsimile National Physical Laboratorylens report is enclosed with every pair of "Ultraglaze" sunglasses together with free lens cleaning cloth.

See Barnet Ultraglaze at the Gifts and Fancy Goods Fair, Blackpool.

Room 12, Metropole Hotel.

#### 1959's OUTSTANDING **NEW SUNSTYLES**

#### BARNET

#### The inexpensive lightweights with GLASS lenses

A new conception in modestly priced sunglasses Barnet "Ultraglaze" has everything-eight new fashionright styles—superb lightweight frames—plus Crookes glass lenses — guaranteed by Barnet to conform to the Laboratory test report enclosed with each pair. With wonderful displays and the full backing of powerful TV and Press advertising, Barnet "Ultraglaze" sunglasses truly have everything to make them your top sellers this summer. Outstanding too for value, "Ultraglaze" retail from 12/6d. to 15/6d. at full return plus extra bonus profits.

#### **HEAVY TV AND PRESS ADVERTISING**

Frequent TV appearances backed by large spaces in Daily Express, Woman's Own and Sunday Pictorial will really sell Ultraglaze sunglasses.

- \* Superb lightweight designs.
- ★ Guaranteed Crookes glass lenses.

4-dozen unit provides an assortment of six each of the eight styles and costs £23.8.0.

SELL GLASS LENSES — SELL BARNET ULTRAGLAZE

#### ORDER FROM YOUR WHOLESALER NOW



Made in England by (Wholesale only)

E. R. HOLLOWAY LIMITED

BESSEMER ROAD, WELWYN GARDEN CITY, HERTS. PHONE: WELWYN GARDEN 4444.



#### PHA999

#### SOUND FOUNDATIONS

Make M&B chemicals the basis of your pharmaceutical manufacturers. Our long experience, extending over a century, in the manufacture, handling, and use of fine chemicals supports our claim that our products are entirely suitable in every respect for your purposes.

#### For the manufacture of TABLETS

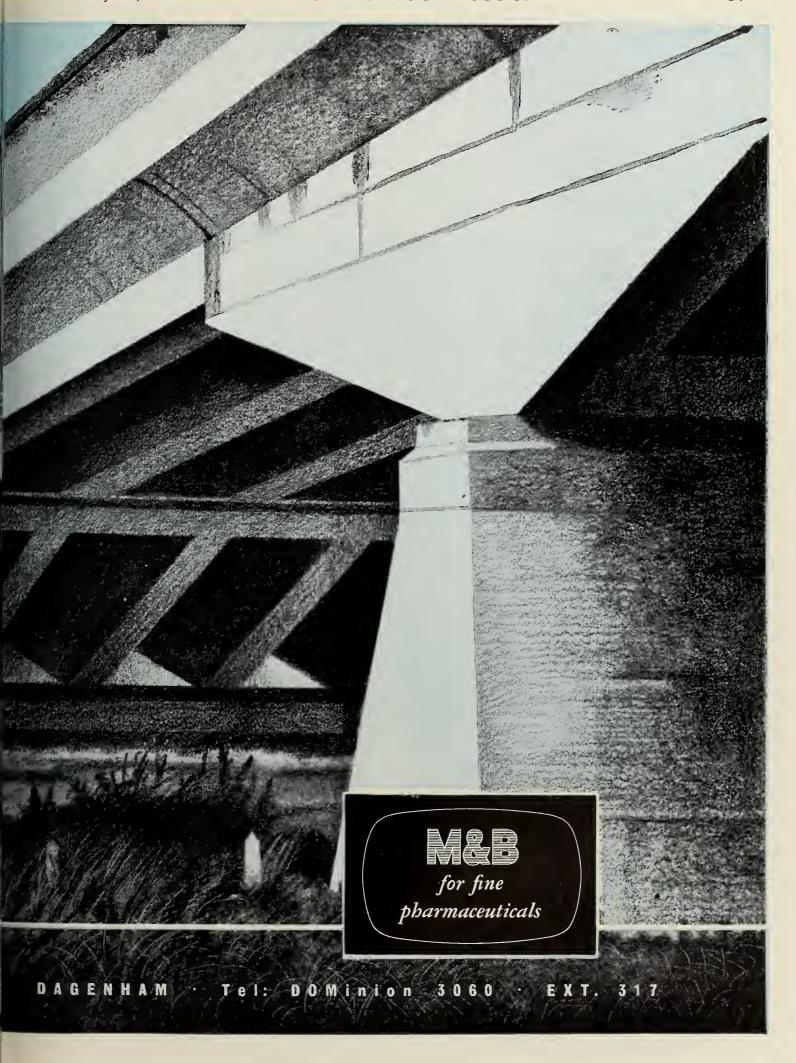
ACETARSOL · CALOMEL · CODEINE PHOSPHATE AND OTHER OPIATES CAFFEINE ALKALOID AND SALTS · CARBARSONE · BARBITURATES DEXAMPHETAMINE SULPHATE · BISMUTH SALTS · AMINOPHYLLINE BROMIDES · SULPHONAMIDES · THEOBROMINE ALKALOID AND **PREPARATIONS** 

#### For the manufacture of PREPARATIONS FOR INJECTION

AMINOPHYLLINE · CAFFEINE AND SODIUM BENZOATE · MERSALYL AMPHETAMINE SULPHATE · METHYLAMPHETAMINE HYDROCHLORIDE BARBITURATES · BISMUTH OXYCHLORIDE · BISMUTH SALICYLATE COCAINE SALTS · OPIATES

> We shall be pleased to receive enquiries for these and any other M&B brand pharmaceutical chemicals.







Address

ADDING/LISTING MACHINE

ADWEL ADDING MACHINES LTD., 20 PALL MALL, LONDON, S.W.I



#### 23 Great days start with GUAVIN A concentration of natural Vitamin C for health — and of natural glucose for the energy to enjoy it. Great days. That's the theme of Guavin advertising as millions of families see it. In Woman, In Woman's Realm. In Woman's Day. And in influential health magazines. Chemists all over the country are seeing the results of that advertising in continuously increasing sales. Guavin is a natural best-seller Sales will continue to increase for this simple reason. Guavin is not another fruit drink boosted with syn-

thetic vitamins. Guavin contains more natural goodness than any other fruit drink now available.

It is imiquely rich in natural Vitamin C (richer by far than blackcurrant juice). It contains a high concentration of pure grape glucose. And it is very competitively priced.

You can stock - and recommend Guavin with complete confidence.

Guavin is pure fruit juice. No sweetening, colouring or flavouring matter is added. The omber bottle is used to protect the Vitamin C and the golden label sets the seal on its quality.





Produced to the highest standards of purity by PASCALL - KNIGHT LIMITED (Est. 1931) CROYDON Tel: CROydon 3854

RADIO TIMES

readers



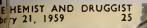
... and over 21,000,000 readers will see this advertisement

Here is some important advance information that will have a direct bearing on your sales. This full-page advertisement for 'Gaylets', Bob Martin's new Condition Seedlets for Pet Birds, will be appearing in the Radio Times (March 27 issue) which has a weekly net sale of nearly 8,000,000 and a readership of 21,000,000. The latest (I.P.A.) figures show that 57% of the

The latest (I.P.A.) figures show that 57% of the adults in this country who keep a pet caged-bird read the Radio Times—among them most of your customers. Take advantage of the unique opportunity this advertising offers you—stock and display this sales-winning new product.

Issued by
HEAD OF ADVERTISEMENT DEPARTMENT
B.B.C. PUBLICATIONS





# MATTHEWS AND WILSON

## For Your TABLETS

We have long experience in the
FORMULATION AND MANUFACTURE
of medicinal tablets of all types for
pharmaceutical organisations, hospital
authorities and proprietary houses,
both at home and for most countries
of the world—All standard B.P., B.P.C.,
N.F. Tablets are stocked for
prompt delivery

Customer's Materials Processed
Home and Export Inquiries Invited

MATTHEWS & WILSON LTD.

Larkhall Works, Morrish Road, London, S.W.2. Tel:TULSE HILL 5881/2





NEW AND EXCLUSIVE NYLON STOPPER with colour matched top, Tight sealing, non-odorous, non-tainting.



NON-DRIP POURER In white plastic finish.



GAY AND COLOURFUL "TARTAN" FINISH Choice of RED or GREEN.

Each Acme Flask is fully tested and guaranteed to keep liquids Piping Hot or Freezing Cold under all conditions.

3 SIZES

8Floz

16Floz

36 Floz 12/3

(retail prices, including purchase tax)

ALSO AVAILABLE NOW!

The NEW RIPPLE'

DE-LUXE

5 sizes in 4 colours including

a NEW 4 CUP SIZE.

22½ fl. ozs.—4 Large Cups!

Write for full details:

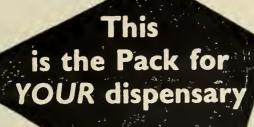
#### ANTIFERENCE LTD.

(ACME VACUUM FLASK DIVISION)

BICESTER ROAD · AYLESBURY · BUCKS Tel: Aylesbury 2511
Factory: PHŒNIX WORKS · BRIDGEND · GLAMORGAN

TARTAN

NOW ONE OF THE WORLD WIDE ANTIFERENCE GROUP OF COMPANIES



SMUTH CONTROLLES ON LID DERRY

Supplies obtainable from your usual Wholesaler

Manufactured and packed in the Laboratories of

Sample box gladly sent upon request from

#### RICHARD DANIEL & SON, LTD.

Mansfield Rd., Derby. Tel. 40671 (10 lines) and at Grosvenor St., Ashton-u-Lyne. Tel. 5161 (9 lines)

## NIPASBPT

The harmless preservative and antiseptic for pharmaceutical and medical solutions.

Our Service Dept, will gladly co-operate with you on all technical problems.

Combination of p-hydroxybenzoates

NIPA LABORATORIES LTD. TREFOREST INDUSTRIAL ESTATE, Nr. CARDIFF.

Telephone: Treforest 2128/9

Sole Distributors for the United Kingdom

P. SAMUELSON & CO.

ROMAN WALL HOUSE,
1 CRUTCHED FRIARS, LONDON, E C.3

Telephone: ROYAL 2117/8



It is not always possible to know which customers are susceptible to gastric irritation, constipation or allergy troubles. But as PANADOL is safe for everyone, it is definitely indicated when you are asked for something to relieve headache, dysmenorrhoea, rheumatic pains, the common cold or influenza symptoms.

PANADOL is a good analgesic and antipyretic of outstanding safety and freedom from side effects. It contains no aspirin, codeine or phenacetin. You can offer PANADOL with confidence.

#### Panadol is safe for Everyone

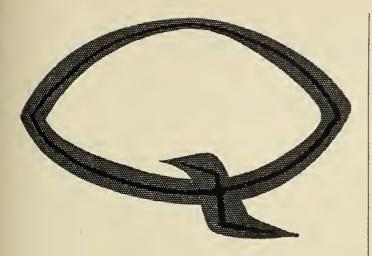
Tablets: 0.5G., N-acetyl-p-aminophenol. In containers of 12, 100, 500 and 2,500.

B A Y E R

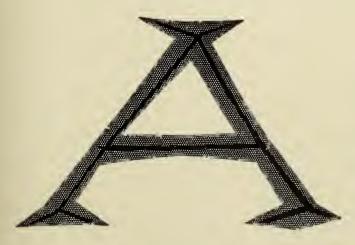
#### BAYER PRODUCTS LIMITED

Neville House, Kingston-upon-Thames, Surrey
Associated Exporting Company:

WINTHROP PRODUCTS LIMITED



#### Do mothers ask your advice about baby feeding?



Of course they do. And your advice is particularly valuable to those whose babies are at the mixed feeding stage. You know that a balanced and varied diet trains growing appetites along healthy lines.

That's why you tell mothers about all the 25 kinds of Heinz Baby Foods. You help them, too, to pick out from your displays, varieties that they haven't tried before.

Already well over 1 million cans of Heinz Baby Foods are eaten every week and there is still a huge potential in this growing market. More mothers will be encouraged to buy from you if you, stock all the varieties and keep them on display.



#### YOU and HEINZ

together help build healthy babies make healthy profits too!



### THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 171

Bi Ci Ci Ci Ci Di Ei February 21, 1959

No. 4122

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Volume 171

FEBRUARY 21, 1959

No. 4122

#### Chemists' "Hidden Profit"

#### TREASURY AGREES WITH RECENT CRITICISM

THE Lords of the Treasury agree with the Committee of Public Accounts that "so long as information is lacking concerning the prices actually paid by chemists for drugs... there can be no assurance that the remuneration paid to chemists is no more than is fair and reasonable."

That information is provided in the Treasury minutes dated January 30 concerning the first, second and third reports from the Committee of Public Accounts 1957-58 (C. & D., August 23, 1958, p. 184) published by H.M. Stationery Office, 1s.). The minutes record the cut in "reimbursement rates" the cut in to chemists by reducing the list prices of standard drugs, increasing the sizes of packs upon which Drug Tariff rates are calculated, and, in Scotland, by the introduction of revised rates where certain large packs of proprietary prepara-tions are used. The minutes also state that the Health Departments were discussing proposals to ensure that the Drug Tariff prices broadly represented the actual cost of the drugs. Regarding proprietary preparations the Treasury state they have been informed that there were not the same opportunities for chemists to buy at prices below the reimbursement rates as in the standard drug field. Nevertheless inquiries were to be made of a representative selection of manufacturers and wholesalers about their terms for proprietaries. Discussions were proceeding about extending the system of agreed pack sizes to a further range of proprietary preparations. The Treasury have agreed with the Health Departments that those further inquiries in the fields of standard drugs and proprietary preparations should be carried out "as speedily as possible.

#### **Pesticides**

DRAFT COMMON NAMES

THE British Standards Institution invite comments on the draft common names for the following pesticides. They should reach Mr. R. K. Thomas, 2 Park Street, London, W.1, before March 16.

Proposed common name	Chemical name
dichlorvos	dimethyl 2:2-dichloro- vinyl phosphate
diquat	1:1'-ethylene-2:2'-dipy- ridylium dibromide
dodine	n-dodecylguanidine a acetate
phorate	diethyl S-(2-ethylthio- methyl) phosphoro-
	thiolate

#### **Bournemouth Conference**

HOTEL ARRANGEMENTS FOR SEPTEMBER

THE chairman of the Housing Committee of the local organisers of the

Bournemouth meeting of the British Pharmaceutical Conference, Sep-21-25, tember has issued a statement anthe nouncing Committee's hotel accommodation plans. The aim of the Committee in booking accommodation, he says, has been to house members as near as



Mr. M. Fay (chairman, Bournemouth Conference Housing Committee).

possible to the Pavilion and the Town Hall, where the meetings and social functions are being held. The Committee also wants to have members housed in a fairly compact group to facilitate the arrangement of transport to and from the various functions. Accommodation has accordingly been reserved for over 850 people in two groups of hotels, one on the East Cliff and one on the West Cliff. Many of them will overlook the magnificent

Bournemouth Bay. It is pointed out that mid-Scptember is the height of the season in Bournemouth, but that the hotels have arranged to hold the Committee's bookings until June 1. To ensure full comfort during week, Conference visitors are urged to make their applications early. remembering that June 1 is the deadline for hotel reservations. Bookings are from Sunday to Saturday (full week's booking required). Tariff rates range from £9 9s. to £21. All the hotels have been inspected by the Committee, including bedrooms, lounges and specimen menus. In the application it is only necessary to state the category of hotel required. The Committee notifies the hotel of the booking, and the hotel confirms it direct to the member. Any member is at liberty to make his own hotel booking, but evening transport from hotels away from the two main routes cannot then be guaranteed.

The Committee's chairman (Mr. M. Fay, 16A Sea Road, Boscombe) looks forward to receiving applications so soon as possible after the application forms (sent out by the Conference authorities) are in members' hands. That should be within the next few weeks.

#### Rauwolfia Imports

DUTY EXEMPTION BEING CONSIDERED

THE Board of Trade has given notice that it is considering an application for exemption from import duty of rauwolfia root and root bark. A statement of the applicants' case will be made available to all organisations with a bona fide interest in the material who wish to make representations in the matter, if they are prepared to give an undertaking to treat the information as strictly confidential and to allow their comments to be passed to the applicant for reply. Requests for a statement of the case, together with an undertaking



"BACK-ROOM BOYS" NO LONGER: laboratory built into the first story of the Izal factory of Newton, Chambers & Co., Ltd., Thorncliffe, nr. Sheffield, brings the chemists "on to the shop floor," to work with the factory personnel and deal with production and personnel other problems as they arise. The new laboratory, designed primarily to test and investigate paper and paper products, will be concerned also with quality control of adhesives and the supervision of fluids and their output in the factory.

in the terms set out above, should be addressed to the Board of Trade, Tariff Division, Horse Guards Avenue, London. S.W.1, not later than March 2.

#### Current 'Flu Virus

**MUTATIONAL CHANGES?** 

THE present spread of influenza virus is following a consistent pattern in which type A, which caused the 1957 pandemic of Asian influenza, is affecting adults and type B is affecting children, An outbreak in 1954 was caused by the type-B virus. Samples of virus from present victims are being investigated at the Mill Hill influenza centre of the World Health Organisation to determine the extent, if any, of mutational changes that may have occurred since the spread of the virus from the Far East. The work is not yet complete, but an assessment of the extent of the outbreak is expected almost immediately. Symptoms are described as slight sore throat accompanied by a rise in temperature to 102° or more and pain in limbs and back. A suitable antipyretic and analgesic alleviate the discomfort, but the high temperature may extend to several days. At present no known therapy is capable of imparting resistance to infection, though prophylactic injections of influenza virus vaccine may, it is stated, be of service in persons not at present suffering from infection.

#### **Disputes Tribunal**

CHEMICAL AND PLASTICS WAGES

Industrial Disputes Tribunal which was asked to give its ruling in regard to a dispute arising out of a claim that the increase of wages in men in the plastics group should be one penny and three farthings per hour as in the chemical and fertiliser groups and not one penny and one farthing per hour as offered by employers, and that the increase for women in all groups should be three halfpence per hour (not one penny and one farthing) in the chemical and fertiliser groups and one penny in the plastics group, has published its report (Awards 1180). The Tribunal awarded as follows: In the plastics group wages shall be increased by one halfpenny per hour for men and one farthing per hour for women. They found that the claim for an increase in wages of women in the chemical and fertiliser groups had not been established. The award is back-dated to November 5, 1958.

#### Rockefeller Grants

£100,000 FOR BRITAIN

GRANTS made by the Rockefeller Foundation in the fourth quarter of 1958 announced in New York on February 10 include, for health and medicine (embracing education and research), a total of \$4,300.000, British projects receive nearly £100.000, the largest item being \$150,000 (nearly £52,500) for Medical Research Council travelling fellowships until August 31, 1964, while a grant of £10,000 is made to the Association for the Study of Medical Education in Great Britain. A grant of \$1,040,750 is made to aid

the Foundation's virus research; \$300,000 for studies of protein-rich foods in food-deficient countries, and \$90,000 to support research in a new nutrition institute in Mexico.

#### **Statutory Committee**

TWO MEETINGS ARRANGED

THE Statutory Committee of the Pharmaceutical Society of Great Britain is meeting at 17 Bloomsbury Square, London, W.C.1, at 2.30 p.m., on March 4. to resume an inquiry adjourned from November 1956 (C. & D., December 8, 1956. p. 619) into the conduct of a member of the Society convicted of embezzlement, and to consider information and evidence concerning the conviction of a corporate body under the Pharmacy and Poisons Act, 1933. At 10.30 a.m. on March 10 the Committee is considering two complaints by the Council of the Society alleging that two corporate bodies advertised their dispensing services in the public Press.

#### SCOTTISH NEWS

#### "Probe Prescribing"

" NEED FOR AN INQUIRY "

AN Edinburgh delegate to the annual conference of the Scottish Co-operative Party, held at Paisley on February 7. said that there was a growing uneasiness within the Co-operative movement at the manner in which "vast sums of money are finding their way to patent medicine and drug manufac-turers. He said that there was a need for a full-scale inquiry. The speaker (Mr. James Brunton) successfully moved that the next Labour Government should set up a committee of inquiry to find out whether "the present system of proprietary drugs and medicines being prescribed under the National Health Service or sold publicly is to the advantage of the com-munity." Mr. Brunton expressed concern at the steep rise in the cost of prescriptions. He thought there was a dual reason for the 100 per cent, increase in ten years—doctors were pre-scribing "bigger quantities of medicine to help their patients with the burden the one-shilling charge imposed in 1952 and the one-shilling per item charge imposed in 1956," and "the undoubtedly great temptation for the doctor to prescribe the latest and most sophisticated of hundreds of new preparations.

#### IRISH NEWS

THE REPUBLIC

#### A Warning on X-rays

"THE ATOMIC AGE" VIEW OF A BIOLOGIST

A WARNING that much more care was needed in the use of x-rays was given by Mr. D. I. D. Howie (a lecturer, Trinity College, Dublin) in a talk at a meeting at the College of Pharmacy, Dublin, recently. The meeting was arranged by the Irish Pharmaceutical Students' Association. Mr. Howie, presenting "A Biologist's View of the Atomic Age." said that the present knowledge of the hazards to man of

ionising radiations was made known by reports of the British Medical Research Council, the United States Academy of Sciences and the United Nations Organ-Those reports made it plain that while the hazards were recognised, the degree of the danger under peacetime conditions was by no means clear, and the evidence was open to a variety of interpretations. The somatic effects of radiation which would affect people were unlikely to be significant under present conditions. Biologically the genetic effects of ionising radiations, particularly in increasing mutation rates, were much more significant. If the lowest estimates of the accumulated dose required to double mutation rates were correct (10-30 rem during reproductive life), then many people in technologically advanced communities might receive something approaching that dose. In view of the possible effects from increased rates of mutation sources of man-made radiation were worthy of close examination. Increased radiation due to fall-out from nuclear weapon tests was small, equivalent perhaps to 1-4 per cent. of the natural background. While therefore hardly significant it would appear to be a totally unnecessary addition to the hazard. Radiation from x-rays was by far the largest factor in man-made radiation, possibly equivalent to 100 per cent. of the natural background. While only certain types of radiography made a significant addition to the dose received by the gonads, there was no doubt that much more rigorous care in the use of x-rays was called for.

#### **Unauthorised Sale**

KERRY DOCTOR FINED

AT Killorglin, co. Kerry, District court on February 12, Dr. Denis Moroney, Killorglin, was prosecuted for selling without authority a bottle of Alophen pills to an inspector of the Pharmaceutical Society of Ireland. Mr. John Gaynor (solicitor for the Pharmaceutical Society of Ireland), told the district justice that Dr. Moroney had opened a shop for the sale of medicines and chemists' goods. An inspector of the Society had warned him in June 1956, and again in 1957, that he was not legally entitled to sell poisons or to compound medical prescriptions, and in June 1958 another inspector called on Dr. Moroney and presented a medical prescription. Dr. Moroney refused to dispense the prescription, stating he was a medical practitioner and not a pharmacist. The inspector then asked for a bottle of Alophen pills, and was supplied. The pills were not labelled in accordance with Section 2 of the Salc of Poisons (Ireland) Act. For the defendant, a plea of "guilty" was defendant, a plea of entered. It was stated that Dr. Moroney knew that he was not entitled to compound or dispense medical prescriptions, but was not aware that he was not entitled to sell Alophen pills. The justice marked the summons under Section 30 of the Pharmacy Acts "proved" and applied the Probation Act; on summons under Section 2 of the Poisons Act, which he also found proved, he imposed fines and costs amounting to £16 15s.

#### IRISH BREVITIES

#### THE NORTH

THE Northern Ireland General Health Services Board is to withhold £5 and £2 2s. respectively from two chemists, each of whom was found to have incorrectly dispensed a prescription.

ULSTER Chemists' Association are holding a whist drive (ticket 3s. 6d.), in aid of the Northern Ireland Chemists' Benevolent Fund, at 73 University Street, Belfast, at 7.30 p.m., on March 11.

A REVIEW of tranquillisers is being given by Mr. C. R. Day (Pharmaceutical Specialities (May & Baker), Ltd.) at an "at home" of the president of the Pharmaceutical Society of Northern Ireland at 73 University Street, Belfast, at 8 p.m., on February 23.

#### THE REPUBLIC

DR. D. Twomey (Medical Research Council of Ireland) is speaking on "Tuberculosis Drugs," at a meeting organised by the Irish Pharmaceutical Students' Association, at the College of Pharmacy, Shrewsbury Road, Ballsbridge, Dublin. at 8 p.m., on March 10.

FIRST of a series of six dances, organised by the "Dreamy Druggists" dance committee of the Irish Pharmaceutical Students' Association is being held in the Metropole ball-room, Dublin, on February 24.

THE Midland Drug Federation, at a recent special meeting, decided to disband, and directed Mr. James Gannon, M.P.S.I. (honorary treasurer) to forward to the Benevolent Fund of the Pharmaceutical Society of Ireland the balance of the Federation's funds.

#### NEWS IN BRIEF

OF 280 drug samples analysed in 1958 by Kent County Council, five were found to be "inferior."

At January 13, the official index of retail prices was 110, the same as at December 16, 1958.

A PROPOSED extension to the Salford, Lancs, factory of Colgate-Palmolive. Ltd., will provide an additional 180,000 sq. ft. at the plant.

THE Royal College of Surgeons is to establish a chair in biochemistry with a gift of £100,000 promised by Mr. J. Cotton, a London property owner.

THE 1959 edition of the British Standards Year-book listing each of the more than 3,000 British Standards and Codes of Practice, is expected to be published at the end of March.

DURING April a meeting is to be held in Miami, Florida, of American and British anæsthetists to continue associations begun in July 1958 concerning standards for anæsthetic equipment.

AN employee earning not more than £2 a week or who is in receipt of holiday payments up to that amount will not be liable for contributions under the National Insurance Acts 1946. That change which operates from February 16 is introduced by the National Insurance and Industrial Injuries (Collection of Contributions) Amendment Regulations, 1959 (S.I., 1958, No. 207).

#### **TOPICAL REFLECTIONS**

#### By Xrayser

#### Clinical Trials

One can only envy those who were privileged to attend the evening meeting in Edinburgh recently (p. 182), when Professor Kennedy addressed those present on the "Psychology of Clinical Trials." It must have been a stimulating evening, and one that will rank as a memorable occasion in the annals of the Pharmaceutical Society. Readers will be grateful that you have been able to publish the address at such length, for its matter is extremely important. The speaker referred to the almost infinite variety of compounds introduced by modern synthetic chemistry—a remark which would naturally find a sympathetic hearing in an audience of pharmacists. But the many factors enumerated by Professor Kennedy on the complex and diverse facets of clinical trial should be pondered by physicians and pharmacists. In particular, it is a little disquieting to read that "the hasty publication of ill-controlled trials has, in fact, become a rather serious matter." The speaker's assurance that that tendency, though evident, had made no great progress in this country would be more reassuring if we were entirely dependent on our products, but, in contrast with an earlier day, our pharmaceutical imports are no longer confined to the raw materials. Professor Kennedy drew a delicate distinction between what he called "major pharmaceutical companies," praising their objectivity and willingness to face the facts of observation, and firms "on the fringe of this industry" who do little or no development work and who may put a drug on trial on the strength of little more than a conviction that it may work. The speaker's suggestion that it may become necessary to set up some central control or group development organisation may not appeal to the industry as a whole. In such an organisation, Professor Kennedy sees an opportunity to reduce some of "the effects of the dangerous attitude of competitive haste." Clearly there is a need to protect the public from ill-conceived commercial adventure.

#### Substitution

The debate in North London at a joint meeting of pharmacists and doctors (p. 176) on the question of a limited list of drugs, within which "substitution" would be permitted, produced few new arguments. As Mr. Chamings pointed out, substitution, from the legal aspect, was quite inexcusable. (What, I wonder, would be the answer in a country area to the supply of a different brand of phenoxymethyl penicillin, the patient being seriously ill, the brand originally requested immediately unobtainable and the prescriber inaccessible? I know the answer according to law and Mr. Chamings. Is there a moral answer?) In my parenthesis I have referred to one drug of which I hold four brands in either two or three different strengths. As none of those would, this week, satisfy the legal requirements imposed by branded names, I have been compelled to increase the range once more, another reputable company having belatedly entered the field. Despite Mr. Chaming's assertion that prices are keen from the competition of other manufacturers, I find that each brand costs exactly the same. One would have imagined that the only reason for a further addition to the field would have been on the grounds of competitive price or improved quality. Mr. Chamings is of the opinion that manufacturers are aware of the difficulties of the retail pharmacist. That awareness is not always obvious.

#### Branch Representatives

The motions for discussion at the Branch Representatives' meeting in London in May (p. 170) are a reflection of current thought in pharmacy throughout the country. Several of them indicate dissatisfaction with the adverse publicity pharmacy has had during the past year, and members are anxious that some steps should be taken by better public relations to prevent a recurrence. Area representation on the Council is to have another airing, though it has failed to gain adequate support on previous occasions. I note also that one branch feels that recognition of long service is desirable, to the benefit of our veterans.

#### TRADE NOTES

New Size.—Radiol Chemicals. Ltd., 78 Upper Richmond Road, London, S.W.15, are introducing a new size of Radian bath salts, a 7-lb, container.

To Mental Hospitals Only. — Geigy Pharmaceutical Co., Ltd., Roundthorn Estate, Wythenshawe, Manchester, 23, point out that their thymoleptic, Tofranil, has been introduced to mental hospitals only and is not available through the normal trade channels.

Appointed Distributors.—Kingsley & Keith, Ltd., 110 Victoria Street. London, S.W.1, have been appointed sole United Kingdom distributors for the United States manufacturers Kay Fries, Chemicals, Inc. Messrs. Kay Fries manufacture a range of organic intermediates.

Inhaler Redesigned. - Moore Medicinal Products, Ltd., Waverley House, Waverley Place, Aberdeen, are now issuing their Deedon inhaler, model 2, with a detachable and replaceable glass syphon of new design. Spare parts for the previous model continue to be available.



FIVE-VITAMIN BATH: Bottle and cartun in which the German product Badedas is issued, In Britain the product has a similar pack bul with English text. The sole distributors are George Spencer & Son, Ltd., Kynance Place, Gloneesler Road, London, S.W.17.

Hair-care Booklet.—D. & W. Gibbs. Ltd., Hesketh House, Portman Square. London, W.I, have brought out a booklet on hair care, written by Miss Helen Temple (beauty editor "Woman"), and are making it available free to purchasers of two sachets of Sunsilk liquid or cream shampoo.

Ten-day Fertiliser. — Described as "supreme" for flowers, vegetables, fruit, lawns and all indoor plants, Sangral ten-day fertiliser is issued in packets to make 14 gall. of liquid manure, in cartons of three sizes, bottles of two sizes, and ½-gall, and 1-gall, cans. The makers are Lasco, Ltd.. Carruthers Street, Liverpool, 3.

Sizes and Prices.—Sizes in the Sorella range of "champagne bubble baths" of Jean Sorelle, Ltd., 22 Turle Road. London, N.4, are "miniature":

"junior" (new three-bath size); sixbath, ten-bath and twenty-bath sizes. The twenty-bath size, now named "economy" size, was, like the "minia-"economy" size, was, like the "minia-turc" size, recently reduced in price. [Corrected note.]

In Production Again.—After a fire about a fortnight ago in which they suffered damage valued at £20,000. Rosedale Products, Ltd., manufacturers of Lanospray hairset and lacquer and other toilet specialities, Birkbeck Road, London, E.8, have recommenced production. The company's managing director (Mr. S. Levy) states that he can meet all orders from the trade.

Safety Propaganda.—For display in pharmacies, hospital out-patient de-partments and doctors' waiting rooms.



Thomas Waide & Sons, Ltd., Kirkstall Hill, Leeds, 5, have produced the new "safety" showcard (8 x 7 in. approx.) illustrated. Boldly printed in black on white, and mounted on stiff cardboard, the card has a strut for standing on counter, and eycletted string for hanging. The wording emphasises that all medicines should be stored out of children's reach.

Corrigendum.—Alkadonna-P tablets arc embossed with the letter "P" and

Alkascorb tablets with the letter "S" and not as stated in Guide to New Medicaments (C. & D., February 7, p. 155).



PACK AND SHOWCARD: Containers Antussin cough treatment (Tobal Products, Ltd., 8 Baker Street, London, W.1), with showcard linking it with current Press and television ad-

#### **Bonus Offers**

THOMPSON & CAPPER, LTD., Speke, Liverpool, 24. Flush automatic deodoriser. Two doz, at sixpence per doz, less than normal price; 6 doz. at ninepence per doz. less; I gross at one shilling per doz. less. On direct orders.

ALFRED FRANKS & BARTLETT CO., LTD., 226 Gray's Inn Road, London, W.C.I. Bartex Superstyle sunglasses. Three pairs free with order for 3 doz. In return for display.

#### Calls for Tenders

THE Board of Trade has issued details concerning tenders sought by various overseas bodies, and an outline is given below of the requirements and closing dates. For fuller information readers should apply, quoting reference to Event Saving Process ference, to Export Services Branch, Lacon House. Theobalds Road, London, W.C.1.

Pharmaceutical and surgical materials. M. le Directeur de la Pharmacie Centrale Tunisienne, Avenue Charles Nicolle, Tunis (E.S.B. 2099/59. February 21).



len years' absence frum the British market, Houbigant perfumes are again available (see C. & D., January 3, p. 9) with their companion powders, soaps, tales and perfumed waters. The distributors are Abbey Profumeric Co. Ltd. 7. Oxford Cir. Parfumerie Co., Ltd., 7 Oxford Cir-eus Avenue, London, W.l. The pro-ducts available include "Quelques Fleurs," "Chantilly," and "Flatterie," as illustrated.

### PHOTOGRAPHIC NOTES

Two New Cameras.— Kodak, Ltd., Kodak House, Kingsway, London, W.C.2, announce the introduction of two new cameras: the Brownie movie II and a new Retinette. The Brownie movie camera II f/1.9 has a "set-asyou-see" exposure guide on the camera front; click-stop aperture set-

tings; easy, sprocketless loading; a "self-movie" device; long-running motor; and tripod socket. The Kodak Retinette I camera has Schneider Reomar f/3·5 lens, corrected for colour; Compur-Rapid shutter with ten speeds; and exposure-value scale and automatic-speed aperture coupling; is



Left: Brownie movie II camera, Right: Kodak Retinette I camera, Both were launehed recently by Kodak, Ltd., Kingsway, London, W.C.2.

cross-synchronised for flash-bulbs and electronic flash, and has triple-action rapid lever wind, built-in self-timer, and depth-of-field scale. An ever-ready carrying case is also available from the company.

A Miniature Camera.—Highgate Optical Mfg. Co., Ltd., 44 Hatton Garden, London, E.C.1, are distributing the Carl-Zeiss-Jena Werra camera, which has a Synchro-Compur shutter; speeds of 1 to 1/500 sec. fully synchronised; a self-timer, shutter release and large, bright view-finder. Its f/2·8 lens is claimed to give excellent definition and image quality, even when used at full aperture.

Pocket-size Flash Unit.—To complement the popular Ilford Sportsman 35-mm. camera, Ilford, Ltd., Ilford, Essex, have introduced a compact battery-capacitor flash unit, the Sportslite, designed to use only capless flash-bulbs and suited for use with any camera fitted with a standard accessory shoe and 3-mm. coaxial flash connector. The reflector has eight blades resembling the iris of a camera shutter. They retract into the body of the unit but are quickly extended when required for usc.

### NEW PRODUCTS AND PACKS

Long-acting Sulphonamide.—Roche Products, Ltd., 15 Manchester Square, London, W.1, announce the introduction of a new long-acting sulphonamide, Madribon (2, 4-dimethoxy-6-sulphanilamido-1-3-diazine) tablets, 0.5 gm., in containers of ten, fifty and 250. The feature of Madribon is that therapeutic blood levels are maintained for at least twenty-four hours after each dose. It differs from most other sulphonamides in that it is mainly excreted in the urine in the form of a highly-soluble glucuronide which, unlike acetylated derivatives, has antibacterial activity.

Potent Analgesia by Mouth.—Burroughs Wellcome & Co., 183 Euston Road, London, N.W.I, announce the availability of Pipadone brand compound tablets, each of which contains 25 mgm. of dipipanone hydrochloride and 50 mgm. of cyclizine hydrochloride (Marzine). Dipipanone is an analgesic



SPRAY PACK AND CARTON: Plastic squeeze bottle and carton in which Penetrol nose and throat spray is issued by W. B. Cartwright, Ltd., Rawdon, Leeds,

claimed as potent as morphine, more efficacious than pethidine and less liable than either to produce untoward reactions. When it is combined with cyclizine, as in Pipadone compound tablets, the side-effects of nausea and vomiting are virtually excluded, thereby allowing potent analgesia to be achieved by oral administration. The tablets are issued in bottles of fifty and 250.

Analgesic "Potentiator." — Wyeth & Brother, Ltd., Clifton House, Euston Road, London, N.W.1, announce the introduction of a new product. Sparine suspension, developed to meet the need for a liquid form of the anti-agitant, anti-emetic and analgesic potentiator compound promazine embonate, it is a palatable, elegant and stable suspension. The suspension is indicated for use in the same wide range of conditions as the tablet presentations, but is especially suitable for geriatric and unco-operative mental patients. During its extensive clinical testing, many doctors are understood to have found it possible to achieve satisfactory control of such patients with only two doses a day. Sparine suspension is available in bottles of 115 mils and 1 litre. Each teaspoonful (5 mils) is equivalent to one 50-mgm. Sparine tablet.

Film-wrapped Dressings.—Macdonald & Son, Ltd., Portland Mill, Ashton-under-Lyne, Lancs, are now offering a complete Certor range of surgical dressings in film-wrapped cartons, "unrivalled for display," and with "better-than-ever protection." There is no change in price. The dressing is distinguished by the colour of its carton (blue for cotton wool; green for white lint and red for boric lint; maroon for gauze).

Spray and Freshener.—Cupal, Ltd., Blackburn, Lancs, are marketing a new product, Astral floral room spray, a new concentrated air freshener and germicidal liquid, attractively cartoned and showboxed, and available in heather and bouquet perfumes; a new size of Astral junior air freshener (which is also a moth repellent) and a refill for Astral lavatory bowl block-

"Deep-pore" Skin Cleanser. — Coty (England), Ltd., 3 Stratford Place, London, W.1, are launching a new speciality Coty's "Instant Cleanser," "a combination of a highly efficient cleanser with specialised ingredients which safeguard the most delicate skin." The product is presented in a smart, lightweight "squeezie" flask, the product itself being a homogenised snow-white creamy liquid. The makers claim that it dislodges dust and impurities from deep in the pores, softens and beautifies the skin.



INDIVIDUALLY PACKED: For purposes of display and ready identification, the Submarine Trident swimming cap of W. W. Haffenden, Ltd., Riehborough Rubber Works, Sandwich, Kenz, is now individually packed in "window" carton (see C. & D., January 31, p. 109).

### MORE CONSUMER TEST REPORTS

### Electric shavers, soaps and nail varnishes

THE Consumers' Association, Ltd., recommends in the latest edition of its official journal, Which? that an electric shaver should be bought only on a trial system and that the prospective buyer should be allowed to try one make after another for at least a fortnight until one is found that suits him. If he decides against all electric shavers he should be allowed a credit note from the shop. It is pointed out that because differences in skin, beard and shaving habits vary so much, the shaver one man finds excellent, might be classed as poor by another purchaser.

A panel of twenty-one men complemented laboratory tests with users' tests. In addition to commenting on closeness of shave, speed, irritation. pulling and tugging, ease of cleaning. effectiveness with long hairs, moustaches and sideburns, the testers all stated their overall preferences. The twenty-one were all users of electric shavers for normal shaving, and it was interesting that each tester gave "over-all preference" to a brand different from the one he normally used. The laboratory tests undertaken by C.A. on all the shavers available (eight brands under £10 and four over £10) included testing for electric safety, toughness, noise, radio and television interference. Which? reports that while a safety razor costs much less than an electric shaver to buy, it normally costs more to run (blades, brush and soap) so that over the course of an electric shaver's average lifetime, the costs equal out. The safety razor, however, is stated to give a closer shave in about the same shaving-time: weight by weight, it removes up to 70 per cent. more hair than electric shavers. But "there is no risk of a cut and much less paraphernalia with dry shaving. . . . "

Which? claims that the Ronson Stowaway shaver is the best buy of the four costing less than £10 with the Arvin Fernbrook and the Philishave Jet next in that order. In the group costing over £10 the best buy is claimed to be the Sunbeam Shavemaster "Silver Glide." Of the four women's electric shavers tested C.A. claims that the best buy is the Lady Ronson.

### **Consumer Advisory Council**

Almost coinciding with the publication of Which? was the seventh issue of Shopper's Guide (official journal of the Consumer Advisory Council of the British Standards Institution). Reports on tests on thirteen brands of soaps and six brands of nail varnish are included. Of soaps, Shopper's Guide comments: "While we would not dispute the claims of Cadum, Cidal and C.W.S. ['Green Olive'] that lanolin or olive oil has been incorporated, the quantity is small even if important. There are no official standards specifying how much must be added before a claim for its presence is made." None of the soaps analysed had any free caustic alkali, and only minor amounts of free carbonate were found—"not enough to roughen and redden the hands." Breeze, Boots' lilac and Yardley's lavender soaps had least—"but

all were good." It is noted that Yardley's was low in salt content. Lux had more volatile matter in it than the other soaps analysed while its real soap content was lower (85'3 per cent.). The C.W.S. soap compared well for soap content (with 92.3 per cent. it had the highest soap content of the thirteen brands analysed). Apart from the scent, it is noted that the contents of the soaps analysed differed little 'and all compared well with the British Standard for soap; but prices varied considerably when the cost per 100 gm. of real soap (excluding water, etc.) in each tablet was calculated. Boots' lilac (unwrapped) was the cheapest."

The price per fl. oz. of nail varnishes analysed was: Cutex, 6s. 3d.; Gala, 8s.; Revlon and Sage, 10s. 5d.; Arden, 15s. 10d.; Rubenstein, 17s. 1d. The following proved the best in certain respects says the report: Drying-time, Sage; ease of application, Arden; wearing strength, Gala (Revlon was second); pliability, Cutex, Arden, Sage; resistance to detergents and soap, Revlon (Gala was second). Shopper's Guide comments: "Though it might be considered that the three medium-priced brands were somewhat superior to the cheapest one, any justification for the price of the two dearest must be sought in other directions: packaging, shine, range of colours and so on. (Rubenstein, for instance, spend a lot on advertising their products.)

### INTERNATIONAL GIFTS FAIR

### Support from more than 1,200 exhibitors

THE tenth International Gifts Fair at Blackpool, February 2-6, attracted more than 1,200 exhibitors, some from as far away as Japan, China, India and the United States. The first fair (in 1950) had seventeen exhibitors.

Of particular interest to pharmacists were the Queensbury ointment and/or extract storage jars. They are available in five sizes ranging from 12 oz, to 3 lb. in a choice of two colour schemes (rose pink and turquoise both with white "ribbing"). Prices range from 15s. to 37s. 6d. each (plus 15 per cent. tax). The makers are Crown Staffordshire China Co., Ltd., 31 Beauchamp Place, London, S.W.3.

A new dressing-table set was shown for the first time at the Fair. The design is claimed by the manufacturers (A. S. Brown & Co. (MFG.), LTD., 79 Coborn Road, London, E.3), to be a decisive break from the traditional. In a wide range of colours and finishes to meet all tastes the set comprises brushes, comb, etc., and accessories. Messrs. Brown were also exhibiting inter alia a new brush set (traditional) with Crown Derby motif.

A number of new plastic toys recently added to the company's Combex range were shown by COMBEX, LTD., Combex House, Ganton Street, London, W.1.



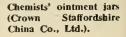
"A completely new approach to brush-set making" (A. S. Brown & Co. (Mfg.), Ltd.).

An addition to the Bartex range of sunglasses (ALFRED FRANKS & BART-LETT Co., LTD., 226 Gray's Inn Road, London, W.C.1), was the "Calypso" featherweight. The "Calypso" has coloured lenses which is a departure from the normal style of the range, and is packed in a chamois leather case. There are four styles—two each for men and

women. Messrs. Franks & Bartlett also introduced at the Fair a man's version of the "Super-style" range of sunglasses

of sunglasses.

The most recently introduced range of Atomist perfume sprays (series BS/2) were featured by GARDNER CO. (LONDON), LTD., 172 Clapham Park Road, London, S.W.4. The sprays are made of opal glass and have solid brass, goldplated mounts.





### A PHYSICIAN'S ADVICE TO STUDENTS

"Fifty-five minutes' study—then a walk"

THE second meeting of the 107th session of the Scottish Department of the Pharmaceutical Society was held in Edinburgh on January 14, Mr. J. B. Grosset (chairman) presiding.

Introducing the lecturer. THE CHAIR-MAN said that DR. R. E. VERNEY was physician to the nursing staff of the Royal Infirmary. Edinburgh, and senior physician, Edinburgh University Student Service. In his younger days he had been a keen athlete and had played Rugby for Edinburgh University. Mr.

Rugby for Edinburgh University. Mr. Grosset thanked Dr. Verney for presenting to the library of the Scottish Department a copy of his book "The Student Life."

Dr. Verney's address was on "Problems of Student Health." In it he described in some detail the activities of the Edinburgh University Student Health Service. Afterwards he answered

questions.

MR. J. A. MYERS, Edinburgh, asked what advice Dr. Verney would give to a student who, in the middle of his examinations, found his mind a complete blank and was unable to remember anything that he had learned. DR. VERNEY replied that, when a student found himself in that situation. it was usually due to bad planning on his own part, often caused by spending too much time in going to dances dur-

ing the winter and trying to read up too much just in time for examina-tions! He would advise all students never to do more than four or five hours' intensive study in a day. believed a student should follow a system of evening reading by studying for fifty-five minutes, having a short walk, carrying on for another fifty-five minutes, having another walk, and so When students found themselves unable to sleep they might require suitable sedatives, but should take them only under medical advice. With some students the use of barbiturates caused "heaviness" on awakening, but that could usually be dispelled by a cold shower.

MR. H. H. CAMPBELL (Heriot-Watt College, Edinburgh), in proposing the vote of thanks to Dr. Verncy, congratulated the chairman of the Executive and the resident secretary on having introduced a lecturer on a subject with a human interest. He believed that, with Government grants, students were better fed than before the war. They were also lucky in having the Student Health Service.

DR. NEIL CAMPBELL (Edinburgh University), who seconded the vote of thanks, said that Dr. Robert Campbell started the Health Service for students

in 1930.

### **BRANCH EVENTS**

NORTH LONDON

A Suggestion to Vice-president

THE hope that he would keep a watchful eye on the teaching of the new syllabus so that it "bore some relation to pharmacy as practised at present" was expressed by the North London Pharmaceutical Association's president (MR. G. GEYMAN) at the Association's annual dinner on February 5. Mr. Geyman addressed his remarks to the Pharmaceutical Society's vice-president (Mr. Gwilym H. Hughes). After explaining that it was the association's practice to invite as guest of honour on alternate years a member of the Society's Council and a member of the National Pharmaceutical Union Executive, he said this year it was the turn of the Society, the toast to which he proposed later. In his reply MR HUGHES said that "the reply, MR. HUGHES said that "the V.I.P.'s on educational policy at the



"MOTHER NORTH - MET." GREETS
"DAUGHTER FINCHLEY": The chairman
of North London Pharmaceutical Association
(Mr. G. Geyman) and Mrs. Geyman (left) greet
the chairman of the Finchley Branch (Mr. L. V.
Melhulsh) and Mrs. Melhulsh.

Square" seemed to take the view that the new syllabus was very similar to the old one, but that the student would now have an extra year in which to do it. He thought that that was a right policy, but time would tell. He congratulated the association upon its "well-above-the-average" contributions to the Society's Benevolent Fund, MR. L. MELHUISH (chairman, Finchley Branch), who also replied to the toast, referred to the North Metropolitan [which, with the N.P.U. branch, forms the association] as the "mother" of the Finchley Branch, since members of the Finchley area some years ago had "seceded from the North Metropolitan, Geyman later presented Miss A. Felton (the association's treasurer) with a coffee table. Miss Felton, he said, was shortly "deserting pnarmacy to mony" and the association would have to find a new treasurer. While the floor was being cleared for dancing, guests queued up to take part in a tombola from which the Benevolent Fund is benefiting to the extent of £33.

### LANCASTER

### Two Mayors at Annual Dinner

WHEN the Lancaster, Morecambe and Westmorland Branch of the Pharmaceutical Society held its annual dinner dance recently there were guests from as far afield as Stoke-on-Trent, among them two mayors and their mayoresses. There were sixty prizes donated by wholesale houses. Mr. A. E. Gee, Morecambe, was in the chair. The toast "Mr. Chairman and the Branch" was proposed by Mr. F. Armour of Fleetwood. Mr. G. C. Miller, Lancaster, proposed "Our Guests."

### **COMPANY NEWS**

Last year's figures in parentheses

BEECHAM GROUP, LTD. — A second interim dividend of 7 per cent. has been declared on the issued Ordinary shares for the financial year ending March 31. The dividend compares with the second interim dividend equivalent to 6 per cent, in 1957.

PROCTER & GAMBLE, INC. — Group net earnings of Procter & Gamble (of America) for the six months ended December 31, 1958, rose to \$43,116,942 from \$36,651,383 for the same period of the previous year, after tax of \$41,384,000 (\$34.262,000).

COW & GATE, LTD.—The directors of Aplin & Barrett, Ltd., announce that they have opened negotiations with the boards of United Dairies and of Cow & Gate with a view to joining, in due course, the proposed merger company. Details of the proposed merger were given previously (see C. & D., January 24, p. 84).

BRITISH OYXGEN CO., LTD. — Group trading profit for year ended September 30, 1958, after charging depreciation £4,094,653 (£3,217,463) was £7,224,500 (£5,964,085); taxation, £3.890,438 (£3,215,099). A final dividend of 6 per cent. on the Ordinary stock making a total dividend for the year of 10 per cent. (same) is recommended. The directors have declared a special interim dividend of 2 per cent. for the year 1958-59.

ILFORD, LTD. A final dividend of 11 per cent, on the Ordinary shares is recommended for the year ended October 31, 1958. The directors state that the company's turnover was slightly above that of the previous year, but because of higher costs there was a decrease in the profit for the year. Profit for the year before tax was £1,612,499 (£1,730,272), and net profit after tax, £752,316 (£788,615). After taxation over-provided in previous years has been added and taxation adjustment amount brought forward from previous year the amount available for appropriation is £983,556 (£1,040,595). The foregoing figures relate to the accounts of the parent company. consolidated net profit for the year after charging taxation and adjustments is £788,994 (£813,748).—Mr. Rupert A. Withers has been appointed a director of the company and deputy-chairman of the board with immediate effect. Mr. Withers has also, subject to his re-election as a director at the annual meeting, been appointed joint managing director with Mr. W. H. Dimsdale, with effect from April 1, 1959.

**New Companies** 

P.C.= Private Company; R.O.= Registered Office KILBURN CHEMISTS, LTD. (P.C.).—Capital £2,000. To carry on the business of chemists, druggists, ctc. Directors: Aubrey Levey, M.P.S., and Jacqueline Levey. R.O.: 67 Jermyn Street, London, S.W.1.

BRIAN HALLWORTH (CHEMISTS), LTD. (P.C.).—Capital £300. To carry on the business of retail chemists and druggists, etc. Directors: Brian L. Hallworth, M.P.S., and Nancy J. Hallworth. R.O.: 49 London Road South. Poynton, Ches.

### LEGAL REPORTS

### Perpetual Injunction Granted

In the High Court, London, on February 13, Chesebrough-Pond's, Ltd., Victoria Road, London, N.W.10, were granted a perpetual injunction against Alex Drug Stores. Ltd., restraining them from reselling any of the plaintiffs' goods except at the fixed retail prices stated in the makers' price list. An order for costs was made against the defendants. Alex Drug Stores, Ltd., are the proprietors of the businesses Alex Stores, 79 High Road, London, S.W.12, and 375 North End Road, London, S.W.6, and of Alex Superstores, Surrey House, Surrey Street, Croydon. The Proprietary Articles Trade Association assisted Messrs. Chesebrough-Pond's in the institution of the proceedings.

### Three Offences

AFTER pleading guilty to three charges under the Dangerous Drugs Act, Mrs. Elizabeth Tulloch, M.P.S., 520 Great Western Road, Glasgow, was fined £30 at Paisley sheriff court on February 3. She admitted failing to keep Dangerous Drugs properly secured; failing to mark dates on prescriptions; and failing to keep a proper record of dispensed prescriptions. In evidence it was stated that in October 1957, during a routine inspection, it was noted that cartons of Dangerous Drugs were on a shelf in the office, and the accused said she had left them out to remind her to enter them in the register. Thirteen days later it was found that identical cartons were on the shelf and appeared to have been there for some time. The defence said that when the offences were committed the accused was approaching a nervous breakdown. She went into hospital in December 1957 and only left in January of this year.

### **BUSINESS CHANGES**

SHADFORTH PHARMACEUTI-CAL CO., LTD., have removed to 44 London Road, Romford, Essex (from Cordova Road, London, E.3).

NATIONAL CO - OPERATIVE CHEMISTS, LTD., recently opened a branch pharmacy in High Street, Princes Risborough, Bucks.

THE London office of Cullingford of Chelsea (Castle Soaps of Cambridge, Ltd.) has been transferred to Munroe House, Denbigh Street, London, S.W.1 (telephone: Victoria 0566).

### **Appointments**

BARBER ELECTRICAL SER-VICES, LTD., Weston Airport, Weston-super-Mare, Somerset, have appointed Mr. W. H. G. Metcalfe their sales manager. Mr. Metcalfe officially takes over on March 1.

COOPER, McDOUGALL & ROB-ERTSON, LTD., Berkhamsted, Herts, have appointed Mr. C. D. Lawson their household sales manager for the United Kingdom division of the company in succession to Mr. R. S. Pitts.

RONA LABORATORIES, LTD., 12 Molyneux Street, London, W.1, have appointed Mr. H. E. Lack sales manager and manager of the medical information department in succession to Dr. S. M. Phillips.

REMINGTON RAND, LTD., have appointed Mr. John G. Prest, 258 Gorleston Road, Oulton Broad, Suffolk, their representative for shavers in Norfolk, Suffolk, and in the shires of Cambridge, Huntingdon and Northampton.

### **DEATHS**

BRANSOM.—On January 16, Mr. James Joseph Brandon Bransom, M.P.S., 81 Longmead Avenue, Horfield, Bristol, 7. Mr. Bransom qualified in 1904.

BROWN.—Suddenly, on February 12, Mr. Frederick Brown, 79 Croxted Road, West Dulwich, London, S.E.21, aged seventy-seven. Mr. Brown with Smith Kendon, Ltd., Borough High Street, London, S.E.1, for nearly all his working life until his death. In recent years he acted as representative in the London area and South Midlands, and previously in East Anglia and South-west England.

CALVERT.—Recently, Mr. George Ruddell Calvert, Rasheen, Ballyclare, co. Antrim, Northern Ireland. A native of Lurgan, co. Armagh, Mr. Calvert served his apprenticeship with Grattan's, Ltd., Corn Market, Belfast. He qualified in Dublin in 1903. In 1906 he set up business as a chemist in Ballyclare and retired in 1950.

DAVIES.—On February 6, Mr. Basil Edison Davies, M.P.S., The Pharmacy, Llanybyther, Carmarthenshire. Mr. Davies qualified in 1931. He had recently left London where he owned pharmacies in Russell Terrace, Whetstone, London, N.20, and Mays Terrace, Barnet, Herts.

GREEN.—On February 8, Mr. Frederick William Green, M.P.S., 65 Alcombe Road, Minehead, Somerset, formerly of 33 Cherry Orchard, West Drayton. Mr. Green qualified in 1931.

GREENHALGH.—On January 10, Mrs. Muriel Brennand Greenhalgh, M.P.S., 3 Furzebrook Road, Stoborough, Wareham, Dorset. Mrs. Greenhalgh qualified in 1927.

HUBAND.—Recently, Mr. George Thomas Huband, M.P.S., The Annex. Grevil House, Chipping Campden, Glos. Mr. Huband qualified in 1895 and was for many years in business in Bradford Street, Birmingham. He went to live in Chipping Campden on his retirement twelve years ago.

JAMES.—On February 15, Mr. E. P. James, manager of Sangers, Ltd., New-castle-on-Tyne, and for fifty-two years a member of the company's staff.

MAXFIELD.—On January 19, Mr. Arthur Gregory Maxfield, M.P.S., 195 Station Road, Langley Hill, Notts. Mr. Maxfield qualified in 1957.

RICHMOND.—On January 29, Mr. William Alexander Richmond, M.P.S., 11 Irving Street, Bolton, Lancs. Mr. Richmond qualified in 1927.

THOMAS.—On February 11, in St. Andrew's Hospital, Billericay, Essex, Mr. Daniel Thomas, 111 High Street. Billericay, Mr. Thomas, who qualified in 1909, was proprietor of Nix, chemists, at that address.

TURNER.—On February 9, Commander Geoffrey Gledhill Turner, a director of General Kaputine Syndicate. Ltd., manufacturing chemists. Oldham, aged fifty-five. Commander Turner was one of few men to hold both the George Cross and the George Medal.

TWELVES. — On February 8, Mr. Reginald Elliott Twelves, M.P.S., 14 Mansfeldt Crescent, Chesterfield. Mr. Twelves, who qualified in 1926, entered his father's business at Whittington, Moor, Chesterfield, in 1936, and later became proprietor. He continued to take an active interest in the business until about two years ago. He was keenly interested in the Order of St. John, of which he was a Serving Brother, and in all first-aid work. In 1946 he received the B.E.M. for his work as First Aid Commandant, Civil Defence Casualty Service for Chesterfield. He was also an active member of the Derbyshire Pharmaceutical Committee and of the Derbyshire Executive Council. Hospital work was another interest and he had been a member since 1948 of Chesterfield Hospital Management Committee and served on a number of committees.

VAUGHAN MORGAN.—At Warren Lodge, Finchampstead, Berks, on February 16, Mr. Penry Vaughan Morgan, aged eighty-three. A son of Octavius Vaughan Morgan, one of the original partners of the firm of Morgan Brothers, founders and proprietors of The Chemist and Druggist, Mr. Penry joined the firm in 1898, became a director in 1919 when the firm was converted into a private limited company, and remained on the board of directors until his retirement in 1951.

### **PERSONALITIES**

MR. ERNEST J. WRIGHT, M.P.S., 3 Broad Street, March, Cambs, has been nominated by the Isle of Ely Executive Council as a candidate for election to the Joint Pricing Committee of the Executive Councils' Association for the year 1959-60.

MR. F. L. FITTER who is now seventy years of age has resigned his directorship of Brand & Co., Ltd. He joined the company in 1905 as a junior in the office and worked through various departments and laboratories. He served in the 1914–18 war, and after his return was eventually appointed factory manager, a post he held for twenty-five years. Mr. Fitter was appointed to the board in 1947.

MR. O. G. WELLER, B.Sc., A.R.C.S., D.I.C., F.R.I.C, M.I.Chem.E., who took up duties on February 16 as technical executive officer of the Association of British Chemical Manufacturers, is to be responsible for the work of the chemical engineering research and advisory service committee, the instrumentation advisory service committee and the information exchange committee of the Association. For the past seven years Mr. Weller has been technical manager of the Uganda Development Corporation, Ltd. In his new capacity he fills a vacancy brought about by the death of the late Mr. Trefor Davies.

### IN PARLIAMENT

BY A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

DURING a discussion on the hospital treatment of children in the House of Lords on February 12, LORD COHEN said there had been a rapid and welcome diminution in the number of children affected by serious diseases during this century. There was clearly a need to re-examine the situation in view of the changing disease pattern. It might be that as the result of such a review some children's hospitals would be retained for that purpose, and others used for other purposes where there was a greater need.

### European Free Trade Area

During the House of Commons debate on February 12, MR. R. MAUDLING (the Paymaster General) referring to the European Free Trade Area negotiations said the major problem was "what do we do now?" He said the Government still believed that something on the lines of the original free trade area conception would be the best thing for the whole of Europe, but they intended to be flexible in their outlook. The Government had made it clear that they did not intend to get an agreement with the French Government which would take into account only Britain's interests, and had no intention of pursuing a solely selfish policy. They hoped, by some means or other, to be able to resume long-term negotiations.

### St. Helena

Replying to a question by MR. C. HUGHES, MR. J. AMERY (Under Secretary of State, Colonies) stated on February 12 that the current budget for drugs in St. Helena was 30 per cent. higher than in 1958, and that satisfactory arrangements had been made for the advance ordering of replacement stocks.

### Corticosteroids

down.

MR. E. FLETCHER asked the Minister of Health on February 16 on what grounds he had satisfied himself that prices for corticosteroids which operated until July 1958 were fair and reasonable in view of the drop from £56 to £12 per 1,000 tablets for one item of "prednisteroids" during the fourmonth period subsequent to July 1958. Mr. Fletcher asked if the Minister was aware that the price reductions were "observed contemporaneously by the leading American-owned or Americanlicensed companies in the United Kingdom."

MR. DEREK WALKER-SMITH said that progress of manufacture had been closely watched . . . "but initial costs were very high and no substantial reductions could be anticipated until economic production had been obtained." He saw no need for an inquiry. MR. FLETCHER asked if the Minister was aware that his continued refusal to hold an inquiry was causing "very great disquiet." The MINISTER: "No Sir, I am not aware of any disquiet in this context. I am aware of gratification that the prices have come

Dr. EDITH SUMMERSKILL said she had previously drawn attention to the gross overcharging by certain American firms making proprietary drugs. The facts had never been disputed by the firms. Now that another case had been cited which the Minister did not dispute, why did he refuse to inquire into something amounting to an exploitation of the National Health Service. THE MINISTER replied that there was no exploitation. Initially prices of those drugs tended to be high because of "the natural desire—and entitlement -of the manufacturers to get back the amount spent on research, not only on those particular drugs but over the whole field of drugs, many of which may not come into economic production at all." COLONEL T. V. H. BEAMISH asked why did Dr. Summerskill find it impossible to understand that drug prices in this country were lower than

those in any country in the world?

### Statistical Branch

Following questions by MR. A. BLENKINSOP on February 16 the Minister of Health stated that a Statistical Branch had been established at the Ministry of Health which was engaged on inquiries and research of a kind which should lead to the provision of information as recommended by the Guillebaud Committee. Mr. Blenkinsop then drew attention to the "very valuable recent report of the Acton Society Trust (see page 200) which, he said, emphasised the limited field of research that was possible with the small staff available at the Ministry. The MINISTER considered it would not be right to imply there was not a deal of statistical activity going on within the department.

### Hospital Drug Costs

On the same day MR. A. H. ALBU asked the Minister of Health if he would finance a research study in a sample of hospitals to ascertain the reason for the continued rise in the cost of drugs and appliances, "distinguishing the causes as between different branches of medicine, price increases, new drugs and appliances, and so forth." Replying THE MINISTER said he did not think it would be helpful to introduce the suggested study since hospital authorities were already engaged on a general review of their costs following the publication of the first year's results of the new costing arrangements. ALBU said the hospital authorities had neither staff nor funds to undertake that type of research and asked the Minister if he thought he would "find the causes of these continually increasing costs unless we make a study of the extraordinarily wide variety of items under these headings." The MINISTER said he was expecting to receive the reports from the hospital boards on the costing review during the summer; he would then be in a better position to judge what further studies of hospital costs would be of Asked whether the Hinchliffe Committee had carried out such an investigation THE MINISTER stated he was awaiting the final report of that Committee which he hoped to receive soon.

### Mecamylamine Hydrochloride

Among the written answers given on February 16 was one to a question by MR. M. EDELMAN who asked the Minister of Health whether, notwithstanding that his Department did not normally purchase raw materials for the preparation of ethical drugs, he would make inquiries in the course of his regular investigations into manufacturing costs where monopoly patents applied, as to a charge, made by an American company's subsidiary operating in the United Kingdom, of £2 pcr 100 10-mgm. tablets of mecamylamine hydrochloride, a drug in current supply to the National Health Service, in view of the fact that that material-was available in Europe at £100 per kilo: a profit on the price to the National Health Service, after allowances for manufacturing costs of approximately 990 per cent. Mr. Derek WALKER-SMITH stated he understood the drug was classified by the Standing Joint Committee on the Classification of Proprietary Preparations as a new drug of proved value not yet standard. Its price therefore was not regulated at present by the scheme agreed with the pharmaceutical industry. He undertook to make some inquiries of the manufacturers if Mr. Edelman provided him with the details.

### **Patent Licences**

The President of the Board of Trade was asked by Dr. DICKSON MABON on February 17, how many applications he had received under section 41 of the Patents and Designs Act, 1949, by British companies for licences to manufacture aureomycin, tetracycline and Terramycin, at present being manufactured wholly by British based subsidiaries of United States firms; and if he was satisfied that the present system of restricted production accorded with the official policy in this matter. Mr. J. K. Vaughan-Morgan stated no applications had been received and added the Minister of Health welcomed competition in the supply of drugs, but the Comptroller could only consider such applications for manufacturing licences as he received.

DR. MABON said that many manufacturers were aware of the opportunities provided by that legislation and suggested the President of the Board of Trade should draw the attention of manufacturers in the pharmaceutical industry to the possibility of taking advantage of them "so that we can bring down prices." MR. VAUGHAN-MORGAN replied that the facilities were there for those who wished to use them.

### Synthetic Detergents

In a written reply on February 17, MR. HENRY BROOKE (Minister of Housing and Local Government) said that the second report by the Committee on Synthetic Detergents would be submitted in the next two or three weeks.

### HOSPITAL SIDE OF THE HEALTH SERVICE

### Ministry criticised for "lack of leadership"

"THE Government's original purpose to allow the fullest possible decentralisation of the Hospital Service has been right and should be maintained; but this leaves the Ministry with a re-sponsibility which it cannot abdicate the responsibility to give inspiring leadership and guidance to interpret the lessons of decentralised experience, and to invoke national resources for dealing with the problems which can be effectively dealt with only on a national basis." That is the summing-up by the authors of a general survey, recently published by the Acton Society Trust. of hospital organisation and administration under the National Health Service. The survey, an 80-p. booklet, is the sixth and final in a series of studies carried out by the Trust since 1955. It is in two parts. The first deals with the findings of the research workers who carried out the Trust's investigation. The second gives the views vestigation. The second gives the views of Sir George Schuster upon the findings-views given not in his capacity as chairman of the Trust, but as the chairman of a regional hospital board.

### A Handicap

The survey agrees with the Guillebaud Committee (C. & D., February 4, 1956, p. 114) that "the annual capital allocations since the appointed day have been quite inadequate to meet the needs of the Hospital Service." The lowered status of the Ministry resulting from its being put under a Minister without a seat in the Cabinet is regarded as having been a handicap to the Service.

The influence of Parliament, the survey states, is such that the fear of being questioned by the Public Accounts Committee tends to have an inhibiting effect on eivil servants, and is "apt to produce a concentration on avoiding mistakes rather than on bold constructive action." Not enough has been done to promote an intelligent study of current expenditure. "There is an important constructive task to be done in working out knowledge of what a given service ought to cost if performed with reasonable standards of efficiency, and it is not enough to rely on the new costing system alone to provide the necessary information."

There is a need, the report goes on, for the Ministry of Health to gain a clearer understanding of the cost structure of hospitals, to devise more reliable methods for assessing the relation between expenditure and output; and to give a lead in initiating a system of studies planned to provide the necessary knowledge.

The report states that the Ministry's policy has shown, first, a tendency to work towards a levelling-up of capital expenditure by Regional Hospital Boards that started out, at the commencement of N.H.S., with belowaverage standards of expenditure and equipment; secondly, a declining percentage of capital expenditure in the teaching hospitals; thirdly, an increas-

ing proportion of capital allocated in recent years to purposes determined by the Ministry. Those findings are brought out in the following table:—

with publishing their reports without comment." Alternatively when the Ministry does issue advice it is given through circulars that are less helpful

### HOSPITAL CAPITAL EXPENDITURE

(Regional Boards and Boards of Governors)

England and Wales

Year	Year Boards'  Year basic		Allocation for purposes decided by the Ministry	Total amount allocated	Actual expenditure	Overspending + underspending -	
		£ million	£ million	£ million	£ million	£ million	
1948/49		7.0		7.0	5.3	-1.7	
1949/50		9.8		9.8	8 • 3	-1.5	
1950/51		9.7	_	9.7	8.4	-1.3	
1951 / 52		8.7	0.9	9.6	9-1	-0.5	
1952/53		7.1	1.0	8.1	8.6	+0.5	
1953/54	'	7.2	1.0	8.2	8.2	Nil	
1954/55		8.9	2.3	11.2	10.7	-0.5	
1955/56		7.6	2.8	10.4	10.5	+0.1	
1956/57		*8.6	5.6	*14.2	*14.2	Nil	
1957/58		*10.1	8.4	*18.5			

\*Includes centrally supplied equipment previously provided for otherwise.

The Trust's investigation indicates that ministerial control of capital expenditure has given rise to widespread complaints about frustration and delays resulting from the methods of scrutinising those capital projects for which prior ministerial approval is needed. There is considered to be something wrong with a situation in which Regional Boards, entrusted with the task of spending £10-30 millions annually, are not able to employ staffs competent to settle matters now commonly subjected to scrutiny by the Ministry, and it is urged that the Ministry's organisation and methods for dealing with capital projects should be reviewed by expert consultants. Improvements in technique at that point might have widespread beneficial effects on the general efficiency of the service by encouraging the decentralisation of re-sponsibility and by generally improving the tempo of executive action.

### Co-ordination and Interpretation

The survey declares that the Ministry has not done enough to collect the knowledge from which to give better guidance on planning in the future. There are needs for a clear picture of the national pattern of the incidence of disease; for knowledge about a number of factors affecting the demand for hospital beds; and for a close and upto-date understanding of local conditions and requirements, both social and medical. A considerable amount of work is being done but it needs to be co-ordinated and interpreted so that it can be put before the hospital authorities and the public in a clearly intelligible form. "Such a conclusion gives support to the case for an active and adequately staffed intelligence and statistical department at the Ministry.'

Of the imposing number of reports produced by the Ministry (including "The Hospital Pharmaceutical Service"), the survey says that the Ministry tends to refer problems to advisory committees and then "to content itself

and effective than they could be, because they are expressed in uninspired phraseology and apt to get lost in a welter of Ministerial documents. The Ministry's staff should be "watching the whole front," so as to "maintain awareness of all matters on which helpful advice was required," and "above all to watch how the advice given is followed up."

### Interests Neglected

Hospital administrative staffs have to manage activities costing over £400 millions annually, and their work calls for constructive powers to cope with problems in what is, in its national form, "an entirely new service." Advances towards efficiency and economy in administration must depend on the quality of administrative staffs, yet the investigators found among administrative officers a general feeling that their interests had been neglected.

The survey's comment on purchasing arrangements is that the Ministry's policy has been to adopt a limited programme of central purchasing combined with exhortations to boards and management committees to go as far as possible in developing joint contracting arrangements by locally organised groups. "The significant impression left by scrutiny of this matter is, however, not of the precise balance eventually struck between central service and local initiative, but of the very stately tempo of the Ministry's administrative procedure. . . .

There remains . . . a general impression . . . of a lack of helpful leadership at the top. The constant changes of Minister have inevitably affected the position, and it is felt the Ministry's officers adopt too passive a rôle, tending to . . exercise purely regulatory functions. . . When it comes to discussing the broad problems of the Service those who have to handle them feel the need to do this with men and women at the Ministry possessing not only wide knowledge, but also practical

experience in 'front line' conditions and from them to get a response inspired by something corresponding to their own sense of urgency and enthusiasm."

thusiasm."

The Trustees asked Sir George Schuster to give special attention in part II of the survey to two main questions which seemed to them to arise out of the review in part I:—

out of the review in part I:—

How can centralised leadership and guidance be exercised so as to utilise their full potential value without hampering the enterprise and initiative of the decentralised authorities or weakening their sense of responsibility?

Can a normal Government Department be a suitable directing authority for a great operating service like the hospital service?

Sir George's view is that it has been far better to have had too little interference from the central authority than too much. He writes of points of weakness and insecurity that justify anxiety for the future, and suggests that the time has come for a general overhaul and tuning up of the administrative machine. He cannot see how the Ministry can give the required understanding and leadership unless the top posts on its staff are held by officers with practical experience of hospital administration at operational level. As a result of modern develop-ments "... industrial statesmen are ments "... industrial statesmen are in demand." Sir George wishes to see the Ministry of Health keeping under constant review the development of hospital practice in this and other countries. The National Hospital Service, he says, should not be looked at merely as providing opportunities for the exercise of medical skill on patients, but as having wide social implications.

The provision of top management posts in the Hospital Service, "from the Ministry downwards," he regards as, from the point of view of efficiency, inadequate, and he considers that there are in the Hospital Service today many officers doing what should be classified "top management" jobs at much less than top management rates of pay.

However, he concludes, it could be elaimed that, judged by ten years' experience, the weaknesses of the Hospital Service had not proved to be so great as to justify a radical change in the whole system.

### Correspondence

### **A Platform for Council Candidates**

SIR,—The London County Pharmaceutical Association will be holding a Council candidates' meeting at 17 Bloomsbury Square on Wednesday, April 29. Prospective candidates for Council are asked to keep this date free, as they will be invited to attend and speak and answer questions. All members in London and the Home Counties and indeed from anywhere are invited to make a note of the date, when they may come along to see and hear the candidates seeking their votes and may ask them questions.

H. L. Crossley, Secretary, London County Pharmaceutical Association

### DID YOU READ IT?

THE solution to the prescription problem (C. & D., February 14, p. 171) is: Paniprin tablets 20.

### LONDON CHEMISTS' GOLFING SOCIETY

### Golden jubilee dinner and dance

A RECORD number of diners and dancers attended the annual dinner and dance of the London Chemists' Golfing Society, held in Hendon on February 10. That was fitting, since the Society was celebrating the fiftieth anniversary of the Society's founding in 1909. In the chair was MR. GEOFFREY T. MORSON (president), who declared himself honoured to be holding that office in the Society's Golden Jubilee year. On the Society's behalf he welcomed guests of the Society, among them Dr. Squirrell (Welsh amateur golf champion). MR. A. E. AMOR (Kodak, Ltd.) responded on the guests' behalf. Mr. E. G. Nice (captain), who proposed the toast of the Society, said that golfing had been a much more dour thing in its early days. A good society, he said, was made by a good secretary, and they had one of the finest in Mr. A. S. Jerwood.

The annual dinner of the Society is by tradition also the occasion on which awards won during the year are presented. This year's winners were:—Aspro rose bowl: E. G. Nice; British and Colonial cup: D. A. Savory; Burgoyne & Thomson cups: E. G. Smith; Butler & Crispe prize: E. S. Hole; Captain's prize: J. S. Bremner; Arthur H. Cox and McClure Young prizes: G. T. Morson; D. & W. Gibbs' prize and Jubilee vase: A. S. Jerwood; Kerfoot trophy: D. Spier; Leichner cup: J. Allen-Price; Mentholatum prize: J. A. Bennett; Morny prize and Squibb centennial trophy: H. A. Coward; President's prize and Professor Flint cup: B. F. Tisdall; Sanger cup: G. H. Hankinson; 4711 prize: V. F. E. Simmons; Yardley cup: F. J. H. Gilson. Three of the winners (Messrs. Hole, Bremner and Hankinson) were unavoidably absent.



### SCOTTISH DEPARTMENT EXECUTIVE

### Special meeting considers Assistants-in-dispensing

A SPECIAL morning meeting of the Scottish Department Executive was called recently to discuss the desirability of introducing a scheme for assistants-in-dispensing on the lines of the one originally proposed in 1953 (C. & D., May 16, 1953, p. 494). A full discussion took place and the implications of the recent decision of the Restrictive Trade Practices Court in the Chemists Federation case were considered. It was finally agreed by ten votes to two to submit the following resolution to the Council: "That, in the opinion of the Executive, the time is now opportune for the Council to reconsider the desirability of a scheme for the training, examination and supervision of unqualified assistants."

Later the same day there was an ordinary meeting of the Executive. The Chairman referred with regret to the death, the news of which had been received only that morning, of Mr. F. W. M. Bennett, Arbroath, who had just completed sixty-one years on the register. Tributes were paid to Mr. Bennett's long service and his work for pharmacy. It was the wish of the Executive that a letter of sympathy should be sent on their behalf to Mr. Bennett's

### Invitation to Council

MR. GROSSET reported that he had conveyed to the Council the invitation of the Executive that they should hold a meeting of Council in Edinburgh. So far no reply had been received.

Since the circular letter was sent out, offers to co-operate in the practical training of students had been received sixty-three pharmacies branches of multiple firms. Those had been classified and would be sent to the branch secretaries. The complete list would be sent to the head of each school of pharmacy. Details of the scheme organised by the Stirling Branch would be sent to each branch secretary together with a request to make an effort for some similar scheme to be adopted in each of the branches. Several members expressed disappointment that so few replies had been re-ceived, and the resident secretary was asked to submit, for the next meeting, the draft of a follow-up letter which ought to explain from a different angle what was required from pharmacists.

It was agreed that, if Council approval were given to the resolution on unqualified assistants, the subject should be discussed at the annual meeting of the Scottish Department in June and MR. A. COWAN agreed to open the discussion. If the Council did not accept the Executive's resolution, the subject for discussion at the meeting would be considered further at the next meeting. If an alternative subject were necessary, members were asked to send in any suggestions to the resident secretary before next meeting.

The report on the Christmas Intermediate and Pharmaceutical Chemist Qualifying examinations was received together with the annual reports of the Boards of Examiners for Scotland and for England and Wales.

From the date of last meeting until the end of 1958, eight students resident in Scotland were registered, making the total for the year twenty-eight. There had been no registrations of students resident in Scotland so far this year.

It was reported that at the History of Pharmacy Committee meeting on November 26, 1958, a suggestion had been made that a permanent display of mortars and drug jars should be arranged in the library. It was suggested that a display area should be formed by the removal of several shelves at the west side of the library and the fitting of glass doors and suitable lighting if necessary. That was agreed and it was also suggested that general redecoration of the library should take place; estimates and proposals were sought for submission to the next Executive meeting.

the next Executive meeting.

THE CHAIRMAN reported that so far no move had been made for the repre-

sentation of pharmacy on Regional Hospital Boards or Hospital Boards of Management. The constitution of those boards was laid down in the Fourth Schedule of the National Health Service (Scotland) Act 1947, and the classification under which pharmaceutical representation might be obtained was under Part I (d) "persons appointed after consultation with such other organisations as appear to the Secretary of State to be concerned" (for example for appointment to Regional Hospital Boards). For appointment to Boards of Management the classification was under Part III (d) "persons appointed after consultation with such other organisations as appear to the Regional Hospital Board to be concerned."

The resident secretary was asked to write to the Secretary of State and to the Regional Hospital Boards, asking that the Society might be included among the "other organisations . . . concerned."

### HANDLING 3,000-GALL. QUANTITIES

### A production superintendent addresses Hounslow Branch

"LARGE-SCALE Pharmaceutical Production" was the subject of an illustrated address by Mr. W. Waterman, M.P.S., F.S.M.C. (superintendent of production, Parke, Davis & Co., Ltd.), in whose conference room the Hounslow Branch of the Pharmaceutical Society held its January meeting. After briefly showing how his department organises future production schedules and calculates economic batch sizes, the speaker discussed the manufacture of liquid products in batch sizes of 3,000 gall. With mixing vessels of the requisite size, Mr. Waterman pointed out the advantages of sinking them through the floor to assist mechanical filling.

### By Pipeline to the Vessel

Wherever possible, liquid ingredients were pumped into the vessels. Liquid glucose, for instance, was delivered in tanker loads; the glucose, maintained at a temperature of 120° F., was pumped from the tanker to a jacketed holding vessel. After analytical approval for the material the required quantity was blown by compressed air into the mix-ing tank. The provision of water supplies and the disposal of effluent were often problems in a chemical factory. Effluents were subjected to rigid control and were sampled daily. water and effluents were passed through neutralising chambers before being discharged to the sewers. Mr. Waterman described a new type of evaporator that had been installed at the Hounslow laboratories recently, the first to be installed in this country, and invaluable in saving water. In that evaporator ammonia was used as cooling agent. The apparatus was so designed that the heat of compression of ammonia was utilised on the boiling stage of the process. The compressed gas in liquid form was circulated to the condensers, where a cooling effect from the evaporation liquid phase to the gaseous phase was obtained. The gas was again cooled, recombressed and recirculated, the evaporation taking place in vacuo. By means of slides, the speaker demonstrated the method of filling hardgelatin capsules. Filling was carried out by machines which separated the two halves of the capsule. From a hopper, the powder was filled into the bottom half of the capsule; the top half being then automatically placed on the filled portion and the two halves fitted together. The filling procedure completed, surplus powder was removed, the capsules polished and inspected, and any defective ones were rejected.

### Plant Mobility

Each machine filled about 10,000 capsules an hour, the weight of the pow-der fill being kept within fine limits by frequent weight checks. After briefly describing the large-scale production of tablets, pills and sterile products, the speaker next discussed bulk produc-tion of fine chemicals. Methods of manufacture were constantly changing so that the plant and equipment must be easily moveable or quickly adaptable to changes in the process or use for an entirely new process. There was a constant challenge to find improved methods to increase yields and so reduce production costs. For filling into their final containers, fluid preparations were supplied to the finishing department by pipeline, and pumped into holding tanks, whence they were fed to the filling machines. Pills, tablets, and capsules were counted-in by means of electronic counters. Mr. Waterman emphasised the importance laid on rigorous analytical control of all the manufacturing processes.



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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

### "Undesirable" but Productive

For six months prior to the 1958 Budget the Conservative Member of Parliament for Kidderminster (Mr. Gerald Nabarro) carried on a vigorous campaign against purchase tax. By means of Parliamentary questions to the Chancellor of the Exchequer, he kept attention focused on the many anomalies that, under successive Chancellors, the tax has created.

Although some tidying up was done last April, Mr. Nabarro is continuing his barrage this session, with the result that many people are allowing themselves to hope that further simplifications in the tax structure are going to be announced in about two months' time.

Clearly such a "money-spinner" as purchase tax (in 1957-58 it gave a yield of almost £500 millions, against about £100 millions during each year of the 1939-45 war) will not be abandoned by the Chancellor (or any of his successors) unless he can raise an equivalent sum equally easily elsewhere. Some critics, like Mr. Nabarro, advocate replacing the purchase tax by a sales tax involving, as the term is generally understood, a flat-rate impost at retail level upon most, if not all, consumer goods. The Chancellor looked at that possibility last year and rightly, we think, rejected it for two reasons: (a) the relatively high rate of tax (approaching 20 per cent.) required to give the same yield if food and services were excluded; and (b) the administrative problems of collecting the tax from 250,000 retailers instead of from the present 60,000 wholesalers. We could ourselves add strong objections from the point of view of the retailer himself (see C & D., June 8, 1957, p. 621). We cannot, therefore, envisage any abandonment of, or indeed any radical changes in purchase tax in the near or even in the distant future until there is some sign of that ready alternative. The most that can be hoped for is a progressive simplification of and reduction in the tax.

How sales and other similar taxes work in various countries overseas is further discussed in a small booklet by Mr. G. E. Whitman, "The Reform of Purchase Tax," recently published by the Conservative Political Centre, though it is understood that the views expressed by the author are his own and not an official Party pronouncement. Mr. Whitman's view is that the retention of purchase tax as an instrument of policy, "while justified during the abnormal conditions of the war and the period of post-war reconstruction, is now undesirable." He nevertheless rejects the idea of a sales tax in the accepted sense of the word, and

we ourselves would warn retailers against being ready to accept—at least until they have made a full study of its pros and cons—the idea that such a tax would be any improvement on a purchase tax.

### "Humanising" the Hospital Service

SIR George Schuster's argument (p. 200) that it is important to keep the hospital service human—and not merely a bureaucratic administrative machine, will be approved at least by all pharmacists, whose function in the National Health Service brings them into close contact with the public. As he states, the WORKERS in the Service should be able to get satisfaction from their work so that their enthusiasm is kept alive and they retain a sense of vocation. Patients require not only skilled attention but an atmosphere that "takes into account their comfort, peace of mind and all the psychological and social implications of stays in hospital." Such an atmosphere must emanate primarily from the hospital staff, and good human relations amongst the workers in the service are clearly an essential prerequisite. Such relations do not exist under conditions of frustration and economic dissatisfaction, and whilst the Acton Trust's survey was no doubt applying its remarks to the administrative strata of the Service, there is much in the report that can be applied to professional and technical personnel, especially pharmacists. The report criticises the Ministry's attitude to the urgent problems such as the current shortage of radiographers. We believe that it is also time something was done about hospital pharmacists. If the administrative officers have "inevitably looked at the way in which the salaries for Civil Service posts, with which they started level, have moved upwards away from them, the average hospital pharmacist cannot but feel equally displeased when he compares his economic position with that of colleagues in other spheres.

The Trust reinforces the Guillebaud Committee's recommendation that there should be a sound "career' structure within the Service. The only way to create such a structure is to tie the employment to a satisfactory scale of remuneration. Without that it is difficult to see where the future staff "containing enough men with the right kind of knowledge based on practical experience in the field" will come from.

### ECHOES OF THE PAST

### ST. ANTHONY'S FIRE

From Primitive Physick: or, an Easy and Natural Method of Curing Most Diseases, by John Wesley, 1772

TAKE a Glass of Tar Water warm, in Bed, every Hour, washing the Part with the same. Tar-Water is made thus.— Put a Gallon of cold Water to a Quart of Norway Tar. Stir them together with a flat Stick for five or six Minutes. After it has stood cover'd for three Days, pour off the Water clear, bottle and cork it.

Or, drink just so much Sea-Water as does not vomit or purge, every Morning for seven Days: This is the proper Measure, in whatever Case it is taken. It seldom fails.

Or, take a Decoction of Elder Leaves, as a Sweat. Or of wild Thyme, applying to the Part a Cloth dipt in Lime-Water, mix'd with a little camphorated Spirits of Wine. Lime-Water is made thus.—Infuse a Pound of good quick Lime in six quarts of Spring Water for twenty-four Hours. Decant and keep it for Use.

Or take two or three gentle Purges. — No acute Fever bears repeated Purges better than this, especially when it affects the Head: Or, (using the internal Medicine at the same time) apply a Plaister of Venice Treacle: Or, wash it with Water wherein Bran is boiled.

### Onward from Galen

### A CURRENT CAUSERIE

Among many pharmaceutical centenaries in 1959 that of the birth of François Geay in la Cour-d'Arcenta, Côte d'Or, France, is worthy of note. Geay studied pharmacy with the intention of working in the laboratory "Plantes-Etudes," then directed by Milnes-Edwards. Later, he was engaged as pharmacist by the Panama Canal Company but, like many others, was stranded there at the end of his engagement. He made no effort to be repatriated but became an explorer, travelling through Darien during a period of ten years. Then he explored Venezuela, where, as a foreigner during the revolution, he was held under suspicion as a spy by both parties. Back in France, he left again for Guiana, territory then contested between France and Brazil (1897-98), studied thoroughly the Mapa regions, and discovered the river Luiner, which no European till then had navigated. His report, published in 1899, revealed the botanical and geological richness of that then almost unknown region. After an official journey in French Guiana (Mapa and Maroni regions) he travelled to Madagascar for the Paris Museum. In 1909, tired and ill, he departed for a new trip with his wife. Mrs. Geay alone came back. Geay contributed numerous zoological and botanical samples to the Museum's treasures. In 1905 he was made a Chevalier de la Légion d'Honneur and held the Monbine prize of the French Academy of Sciences. He died on May 15, 1910.

\*

SVANTE August Arrhenius, who was born at Wijk near Uppsala, Sweden, on February 19, 1859, was one of the founders of physical chemistry. His revolutionary theory of electrolytic dissociation profoundly influenced many fields of scientific inquiry and stimulated the conception of hydrogen-ion concentration. A man of wide interests, who loved statistics, he studied physiological and biological problems on quantitative physicochemical lines, and attempted to express in formulas the frequently elusive reactions of toxins and antibodies, agglutinins, precipitins, and lysins. His book "Quantitative Laws in Biological Chemistry" (1915) was founded on the Tyndall lectures delivered at the Royal Institution in 1914. He was the first to use the term "immunochemistry," and in his monograph "Immunochemistry: The Application of the Principles of Physical Chemistry to the Study of the Biological Antibodies' (1907) he summarised six lectures given at the University of California in 1904. Arrhenius was awarded the Nobel prize for chemistry in 1903, was appointed director of the Nobel Institute for Physical Chemistry, Stockholm, Sweden, in 1905, and was elected a foreign member of the Royal Society in 1910. He died on October 2, 1927.



"THE trader who, a thousand years ago, tried to cheat his customer had to pay the same fine as magistrates impose today . . and it probably hurt him a good deal more." That was an argument used recently by the Buckinghamshire county chief inspector of weights and measures for new legislation in that field. He said it was a "salutary reflection" that the maximum fine that could be imposed today for using an unstamped weighing or measuring instrument was 40s., exactly the same as the minimum fine an offender risked 1000 years ago if he sold about 1½ cwt. of wool below the controlled price. He stated: "The punishment must have been severe in those far-off days, for the value of the currency was very different then. Indeed, monetary devaluation since the present principal Weights and Measures Act was passed in 1878 has made the fines which were fixed then as adequate punishment and effective deterrents into a present-day joke." The inspector pointed out that, while additional weights and measures legislation had been added to the statute book since then, a revision that would fulfil present-day needs and fully meet the demands of modern trade usages was urgently awaited.

### **NEW BOOKS**

### Medizin und Chemie, Band VI

Verlag Chemie, G.m.b.H, Weinheim/Berstr., Pappelallee 3, Germany. 9 x  $5\frac{3}{4}$  in. Pp. 591. D.M. 38.

A HANDSOMELY produced volume, bound in half-leather, Medizin und Chemie, though technically sixth in a series, is in reality separate and unique in being concerned solely with the research activities of Farbwerke Hoechst, A.G. The other five were equally concerned with the contributions to medicine and pharmacy of Farbenfabriken Bayer, A.G., with which the Hoechst organisation was associated until they were separated from one another after the 1939-45 war. The opportunity has been taken to present the achievements of the company (formerly Meister Lucius & Brüning) throughout its history, and as that now totals seventy-five years the publication is also in the nature of a birthday celebration. An outline of the company's development was given recently in these columns (C. & D., January 3, p. 19) and a review of Band V (November 2, 1957, p. 486).

### Hagers Handbuch der Pharmazeutischen Praxis

PROFESSOR DR.-ING. WALTHER KERN (editor) Springer Verlag, Heidelberger Platz 3, Berlin-Wilmersdorf, West Germany. Second supplement,  $9\frac{3}{4}$  x  $6\frac{1}{2}$  in. Part 1. General section and special section A-H. Pp. xvi + 1216. Part 2. Special section I-Z, with appendix. Pp. iv + 1219. Combined price D.M. 224.

THE two supplementary volumes bring up to date, in the light of the changes of the past ten years, this well established standard German reference work on pharmaceutical practice. It takes into account the sixth Deutsches Arzneibuch, as well as foreign works of standards often including such essential details as should save the user the need for protracted references to source books. Of special value are the paragraphs on new materials and methods in pharma-ceutical technology and the general instructions for work on radioisotopes. The general section is plentifully provided with photographic illustrations (particularly of instruments and apparatus), diagrams, graphs and tables. The alphabetical section comprises monographs on pharmaceutical substances, giving their distinguishing characters, chemical and physical properties, tests for purity, assay, etc. In the appendix are chapters on homocopathic medicaments; drugs of animal origin; colour photography; analyses of urine, gastric juices, fæces, cerebrospinal fluid, and blood; and on micromelting points.

### Photographic Chemistry, Volume I

P. GLAFKIDES (translated from the French by K. M. HORNSBY, F.R.P.S.). Fountain Press, 46 Chancery Lane, London, W.C.2. Pp. xiii + 491. First English edition of second French edition. 105s.

Photography, appealing as it does to a vast cross-section of the public, has been a subject for books uncountable. Yet there are strangely few works on the scientific fundamentals of the photographic process. At first thought the conversion of silver bromide crystals to silver by the action of light might appear to be definitive, requiring no abstruse theorising. Second thoughts lead one on to the beginnings of an immense field of theory and research—the modern chemistry of photography. The volume under review is the first part of a two-volume work on the subject by a French author. His scope is wide, as he relates the chemical aspects of his subject to the physical (such as sensitometry) thus endeavouring to give a more comprehensive view of photographic science. Part I deals with the formation and development of the photographic image, and includes chapters on subjects ranging from the nature of light to photographic reproduction. Part II is devoted to photographic emulsions. It makes a detailed examination of gelatin-emulsion prepara-tion, stabilising and finishing, of ultra-violet, x-ray and charged-particle photography, photosensitive systems and special techniques, and base materials. The book is quite up to date (considering it is a translation) and is particularly valuable for its wealth of references. It is well bound and printed, except for the poor reproduction of its halftone blocks. Its appeal should be principally to the chemist in the photographic industry, but photographic chemists and technically minded photographers will find it an authoritative reference book.

### Pharmacy Jars in a Clerkenwell Museum

A REMINDER OF THE IMPORTANCE ATTACHED TO THE PHARMACY IN THE HOSPITALS OF THE ORDER OF ST. JOHN OF JERUSALEM

LAURENCE DOPSON

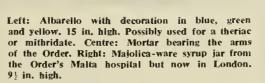
THE museum of the Order of St. John of Jerusalem. St. John's Gate, Clerkenwell, London, contains among its treasures a number of pharmacy jars and mortars. the property of the Order. Some of them are here illustrated.

The handled Majolica-ware jar was used for the storage of syrups, honey or oils, and came from the famous hospital of the Order in Malta. It stands  $9\frac{1}{2}$  in. high, and has a large floral and scroll design in blue, green and yellow; the spout is missing. Such jars were closed by means of parchment, cloth or bladder tied round the opening. Syrups

visited by the Hospitaller and the Comptroller in the presence of the physicians as often as they shall judge proper; and the physicians shall, in their presence, examine the drugs very carefully and exactly and see whether the shop is well-furnished with them and whether any drugs be wanting that are proper or necessary for the sick that they may not want relief by the apothccary's fault." "The physicians and surgeons shall set down in the book of the prescriptions of the infirmary," it was ordered in 1631, "the day, month and year, with the quality and quantity of the drugs and medicines all at length, without making









were always an important part of the pharmacopæia of the Knights of St. John of Jerusalem; and it is on record that in 1181 the Bailiff of Tripoli was required to send to the hospital in Jerusalem 200 lb. of sugar a year for the preparation of syrups and electuaries. "Vinegar syrup," made from white vinegar and sugar; and "syrup of quinces," made from the juices of quince with cloves, ginger and red wine, are examples.

Another jar, of a type used extensively in Mediterranean countries in the sixteenth and seventeenth centuries and known as an Alberello, has a blue, green and yellow floral decoration, in which appears the serpent of Æsculapius entwining itself not round a staff but round a palm tree. The jar is 15 in. high, and its large size suggests that it may have been used to contain theriac or mithridate.

From a number of mortars, one bearing the arms of the Order and of Alof de Wignacourt (Grand Master of the Order, 1601–22) is illustrated. Beneath the two-winged handles is the eight-pointed cross of the Order. The mortar is 6 in. high, made of bell-metal, and with floral design.

Those and other utensils of pharmacy at St. John's Gate serve as a reminder of the importance attached to pharmacy in the hospitals of the ancient Order of St. John. In Rhodes a large first-floor room was reserved for the pharmacy, which was staffed by an apothecary and a number of assistants. Later at Malta there was an even larger pharmacy, and the number of apothecaries had been increased to three.

Any apothecary who used inferior drugs or indulged in careless or unskilled compounding faced a fine or imprisonment. "To prevent the ill qualities of medicine doing any mischief to the sick," ordered Grand Master Jean de Lastic about 1440, "we order that the apothecary's room shall be

use of abbreviations or cyphers." (One may imagine the indignation that would be aroused among doctors today by such a stipulation by a lay body.)

The Priory Church of St. John, Clerkenwell, is the remains of the chapel of the twelfth-century Priory of Clerkenwell which was never a hospital but the English administrative headquarters and recruiting centre of the Order. After the Reformation it became a private chapel. and in 1723 it was made a parish church. In 1931 it ceased to be a parish church and again became the church of the Order of St. John. During its period as a parish church. the crypt was used in the eighteenth and early nineteenth centuries to contain bodies, because the burial ground had become too favourite a spot for body snatchers supplying the medical students of St. Bartholomew's Hospital. An ironical aspect of the early history of the St. John Ambulance Brigade, which was started in 1887, was that the general public, who ridiculed it as the medical profession opposed it, called out at the black-and-white-uniformed ambulance men: "Body snatchers!"

Gutted by an air raid on the night of May 10-11, 1941, the church itself has been restored in such a way as to become both church and assembly hall for the Order of St. John of Jerusalem.

### Arrangements to View

The crypt contains priceless treasures such as the exquisite Weston triptych (c. 1480). It is not ordinarily open to the public but may, like the museum, be viewed by appointment with the curator, Miss Daphne Edmonds (telephone: Clerkenwell 6644). The author acknowledges his indebtedness to Miss Edmonds for details of the objects.

### PHARMACEUTICAL SOCIETY OF IRELAND

### Monthly meeting of Council

R. John P. O'Donnell, Charleston, co. Mayo, was welcomed to a meeting of the Council of the Pharmaceutical Society of Ireland, held in Dublin on February 10, by Mr. Hugh P. Corrigan (president of the Society). It was Mr. O'Donnell's first attendance as a member of the Council since his co-option on January 13 (see C. & D., January 24, p. 95). Mr. Corrigan was in the chair.

Also present were Miss L. Cunniffe, Messrs. M. Costello (treasurer), G. C. O'Neill, J. P. Kissane, T. B. O'Sullivan, P. A. Brady, M. Broderick, V. McElwee, F. J. Robinson, T. R. Miller, M. L. Cashman, C. J. Cremen, P. Fullam, K. Banks, D. J. Kennelly, J. J. O'Regan, J. Gleeson, and Mr. J. G. Coleman (registrar). Apologies for absence were received from Messrs. M. Power and F. Loughman.

In welcoming Mr. O'Donnell, THE PRESIDENT assured him of the help and co-operation of every member of the Council and of the registrar. MISS CUNNIFFE said that as another member from the west of Ireland she would like to associate herself with the welcome extended to Mr. O'Donnell by the president. From what she knew of Mr. O'Donnell's work in the West of Ireland Chemists' Association she was sure he would be of great assistance to the Council.

MR. O'DONNELL, replying, said he wished first of all to thank the president and Miss Cunniffe for their kind words of welcome. He wished also to thank the Council for the privilege and honour they had accorded him in asking him to be a member. He was conscious of his limitations but would do all he could as a Council member in the best interests of pharmacy.

### Press Officer Retires

THE PRESIDENT then said that he had to report with much regret the retirement, after twenty-seven years as Press officer to the Council, of Mr. Hugh Smith "a man of great personal charm and culture, and of wide literary and musical taste." His knowledge and experience had always been at the disposal of the Council during that period and had been freely used, "We all think of Hugh Smith as one of our own, and I am sure that deep down in his heart he has similar feelings," said the president. They were all sorry to learn of his retirement for health and personal reasons. "I wish him many happy years to enjoy the best that is yet to be, and I would like on behalf of the Council and the Society to present him with this radio as a token of our esteem of him and his work."

MR. BRADY, speaking of Mr. Smith as a friend of many years' standing, said "he has my best wishes in his retirement. I know he is going to have a happy and a full life. Much as we regret his loss I am glad to see he has decided to 'slow down' a bit."

MR. COSTELLO, speaking for the former presidents of the Society, said that he would like to pay tribute particularly to the discretion and ability with which Mr. Smith had recorded the Council's proceedings over all those years. Messrs. Kissane, Gleeson, and Cremen also paid tribute to Mr. Smith's services as Press recorder.

In reply, Mr. Smith said that he felt deeply the severance of his connection with the Council after twenty-seven years. Having had the privilege of enjoying the trust and confidence of the leaders in Irish pharmacy for all those years he did not take that step lightly. He felt, however, that he had to reduce his activities, and that in the interests of the journals he had had the honour to represent over those years a younger man—his colleague, Mr. Desmond Leonard—should take over. Thanking the Council "for the princely gift" with which they had presented him, Mr. Smith said that it would always symbolise for him the valued friendships he had made as a journalist in pharmacy.

Arising from the minutes of the January meeting, Mr.

MILLER said that the Planning Committee had got well under way and had held some meetings under the chairmanship of Mr. Cashman. Every member of the Council who was free was invited to attend the Committee's meetings.

The registrar reported correspondence with the registrar of the Apothecaries Hall in relation to the proposed Pharmacy Bill.

Mr. Seamus V. Byrne, M.P.S.I., Ferns, co. Wexford, wrote drawing attention to the address on "Abuses of Poisons" by Dr. J. A. Imrie, Glasgow, as reported in The Chemist and Druggist (January 10, p. 38). "I feel obliged," he wrote, "to ask the Council to give consideration to this address. The seriousness of the situation should be brought to the notice of all members, and also to the proper Government department and the public in general." The registrar said the article dealt mainly with tranquillisers and barbiturates.

Mr. Kennelly said he thought Mr. Byrne was concerned about drugs on which there were no restrictions, sales being left to the discretion of the individual pharmacist. Mr. Byrne should be informed that the Council had hopes of seeing a new Poisons Bill introduced in the near future, and that the Council were aware of the present position. Many people thought the Council could place restrictions on particular drugs, but in fact the Society's powers did not at present go beyond making recommendations. He had a great deal of sympathy with Mr. Byrne. Time after time pharmacists were faced with the problem of whether they should sell stilbæstrol, tranquillisers and antibiotics to people demanding them over the counter. It was a big problem that could not be dealt with then, but it should be made known that the Council were very much aware of the position, and the urgent need for a new Poisons Bill to deal with it. It was agreed to inform Mr. Byrne of those facts.

A letter was read from Mr. Charles Chadwyck-Healey (a director of Morgan Brothers (Publishers), Ltd., publishers of The Chemist and Druggist) thanking the president and Council for their expression of sympathy on the death of Mr. C. A. Vian (chairman of the company). Mr. F. W. Adams (a secretary of the Pharmaceutical Society of Great Britain) wrote thanking the Council for their expression of sympathy with him on the death of his wife.

Mrs. Mary Ormond (née McSweeney), M.P.S.I., and Mrs. Mary Ursula Keegan (née O'Doherty), assistant, submitted marriage certificates and were granted change of name in the registers.

The following changes of address were notified:

Mr. Richard Purcell, L.P.S.I., to 10 Rathgar Road, Dublin; Mr. W. J. Bateman, L.P.S.I., to 31 Mountain View Road, Ranelagh; Mr. J. F. Kelly, M.P.S.I., to 11 Fairfield Park, Rathgar, Dublin; Mrs. Mary Walsh, L.P.S.I., to 491 South Circular Road, Dublin; Mr. Noel O'Mahony, L.P.S.I., to 4 Pearse Square, Ballyphehane, Cork.

The reports of the House, Law and Schools Committees were submitted and approved. The registrar reported on the deaths of Frederick Goodwin Young, M.P.S.I., Timothy Moloney, M.P.S.I., David Anderson, R.D., Richard Kingston, M.P.S.I., and James John Cronin, assistant.

The examiners to the Licence examination reported that of the fifty-two candidates who entered for Part II, twenty-six passed and six were referred. For the Part I examination four entered and all passed. For the Assistants examination two candidates entered, one of whom passed. The single candidate who entered for the Registered Druggist examination failed.

Professor C. O'Connor was given permission to establish a number of beds for the growing of plants, the essential oils from which would be assayed by a new process. Under an arrangement with one of the universities, research would

be carried out on the plots on which peppermint, spear-

mint, camomile, etc., would be grown.

Mr. P. O'Briain (the Society's inspector) made a detailed report on visits to Dun Laoghaire and counties Cavan, Mayo and Sligo. He urged that wider publicity should be given in the pharmaceutical Press to the regulations governing the sale of the barbiturates, cortisone, and similar preparations. Mr. Kennelly said that any such directives should come from the Council.

MR. BANKS said the sale of antibiotics and tranquillisers had become a serious matter and it was not fair to throw the onus on the pharmacist of saying "yes" or "no" to someone wishing to buy them. The Society should press for a new Poisons Bill so soon as possible. MR. O'NEILL stressed that conditions in the Republic were not the same as in England "where people are given large quantities of tablets for a shilling." MR. KENNELLY said he was not worried about stilbæstrol, but many pharmacists were not happy about the sales of tranquillisers and steroids. MR. MILLER agreed with Mr. Kennelly that the onus should not be placed on a pharmacist keeping open shop of having to determine whether he should sell a particular preparation or not. The President: We are pushing for a new Poisons Bill.

MR. GLEESON said the Council should "go slow on this poison law." Pharmacy as a profession had a clean record, and pharmacists did not want any more regulations if they could avoid them. MR. KISSANE said he was glad to hear Mr. Gleeson express that view, because he felt a man of professional training and standing should accept responsibility in such matters.

The Licence certificates were signed and sealed of Thomas Kieran Moore, Julia Quilty, and Mary Elizabeth O'Doherty.

Miss Marie T. Baxter and Mr. Michael Shannon were elected members of the Society. Miss Mary Mackesy, Silverdale, College Road, Cork, and Mr. J. Kelly, 11 Fairfield Park, Rathgar, Dublin, were nominated for membership and Mr. M. J. Lynch, 52 Bulfin Road, Inchicore, Dublin, was nominated as an associate member.

### A " Magnificent" Donation

At a meeting of the Benevolent Fund held at the close of the Council meeting the registrar reported that he had received a further cheque for £24 from Mr. George Commins, Galway, bringing the total contribution to the Fund from the joint West of Ireland and Westmeath chemists' dinner-dance to £110. On the motion of THE TREASURER, seconded by THE PRESIDENT, the best thanks of the Society were passed to both chemists' bodies for "their magnificent effort." Mr. Costello said the Council knew how hard it was to make money out of a dance, and so could appreciate the tremendous amount of effort that went into making such a success of the Galway function. The Council would like Miss Cunniffe to convey to all concerned in Galway how they felt about that wonderful achievement. MISS CUNNIFFE said all the credit for the great success should go to Mr. George Commins. From beginning to end he was the one man behind the whole effort. Mr. O'DONNELL said he would like to be associated with the tribute paid by Mr. Costello to the Westmeath Pharmaceutical Federation and West of Ireland Chemists' Association, and also to be linked with the tribute paid to Mr. George Commins, the organising secretary of the dance. On the president's suggestion it was decided to send a special letter of thanks to Mr. Commins.

Grants totalling £46 were passed for payment.

### ANY BUSINESS QUESTIONS?

We have been running a branch shop for some time, because we have been hoping to obtain compensation under a compulsory purchase order. On the advice of an estate agent we have tried to obtain a lease for three years on the property. The landlords are willing to grant a lease under the following conditions: (1) That we pay all costs; (2) that the rent be increased by £10 per unnum. The estate agent says that, on purchase of the property, we should obtain one-and-a-half times the annual profit. As the shop is run in my wife's name, and she draws £6 per week as nominal wages, that should be over £450. Is that correct? Before paying the expenses involved I should like to be sure. If we cannot obtain any compensation I would rather close the business.

If the position is that a compulsory purchase order has already been made, then you can recover compensation in respect only of such leasehold interest as you had in the premises at the date when the order was made. If you are granted a lease after the date of the order, you cannot obtain any compensation at all in respect of such lease. We assume that you had a leasehold interest at the date of the order, and that it was for a fixed term. The fact that you may be entitled to any extension of your business tenancy under the Landlord and Tenant Act, 1954, has to be ignored. The amount of your compensation will be the excess, if any, by which the market rental value of the premises exceeds the rent you pay, multiplied by the number of years that your lease still has to run. You would, of course, be to compensation for disturbance, which will be principally disturbance in your business, and also compensation for cost of removal to other business premises. It is impossible for us to give you any idea as to the actual amount of compensation, since that involves a careful examination of the accounts, the history and progress (if any) of the business, and other matters. You should obtain a valuation from an expert valuer, who is accustomed to deal with cases of assessment of such compensation. We cannot, therefore, say whether or not the views of your estate agents would be upheld by the Land Tribunal, before whom disputes for the assessment of such compensation come for determination.

wish to form, with a fellow pharmacist, a limited liability company. The purpose is to open a second pharmacy, both pharmacies to be run by the company, with one pharmacist at each shop. The idea is that each of us would put as much as we can into the concernhe a certain amount of money, and myself the assets of the present business, plus money. We would draw equal salaries, and would receive amounts from the net profits of the company in proportion to the monies and assets invested. We have agreed to allow him to purchase further shares up to parity with me, and that neither of us should have the right to dispose of shares without the consent of the other. Can you advise or comment on the wisdom of the arrangement? The assets of my present business, plus my available capital, would be at present about four or five times the money that he could invest. I feel that, though at first I may be on the losing side of the bargain, in the long run I should make up any temporary disadvantage by ensuring that his interests would coincide with mine. There are probably snags which neither of us thought of as yet; you may be able to point them out.

It would be advisable to obtain professional advice about the set-up of your proposed limited company and your respective interests. A salient point of the arrangement would be that both of you "would receive amounts from the net profits of the company in proportion to the moneys and assets" you had invested in the company. Until further shares are purchased up to parity with you, your risk is admittedly greater but, apart from control, your possibility of return is also greater. Strictly, if the value of the shares in due course increased, you ought to make allowance for any increase in the price of the shares to be taken up, but in personal arrangements of that character such a procedure is often ignored. Considerable importance attaches to the valuation of the assets of the existing business, including its goodwill, since your capital in the company to be formed is, partially at least, dependent on that valuation. You may have in mind the withdrawal of profits by way of dividends but, as no earned income relief is given on dividends, it may be more desirable to vote directors' fees according to available profits and agreed allocation.

### **OBSERVATION TRAINING REQUIRED**

### Reports of the Pharmaceutical Society's examiners

THE annual report for 1958 of the Pharmaceutical Society's board of examiners for England and Wales indicates that in many subjects the candidates showed a lack of training in observation and an inability to apply their basic knowledge to problems.

### Intermediate Examination

Candidates' performance in both theoretical and practical botany papers was very varied, there were far too many who only just attained the standard necessary to pass. The smaller syllabus was interpreted by candidates, and perhaps by teachers, simply as requiring a passing knowledge of fewer facts and not, as was intended, to afford time for their more thorough assimilation and for better comprehension of their biological implications. "It was on account of sketchy knowledge and dilletantish practical ability, that many failed or hovered on the brink of failure."

The work of candidates in the zoology examinations was more even than in some past years. The practical part of the examination was less well done than the theory, candidates lost marks because of their inability to make labelled drawings of simple straightforward specimens with which they ought to have been well acquainted.

In chemistry, questions of a practical type were in general poorly answered, more marks being scored on descriptions of phenomena, which could be memorised and did not need original thought by the candidate. In the practical examinations the volumetric work was carried out better than the qualilative analysis, in which the standard was lower than it was a few years ago.

Of the two divisions of the theoretical physics paper, the candidates showed greater knowledge in the one relating to mechanics, general physics and heat. The principles involved were fairly well understood, except the principle of moments, as applied to the equilibrium of a straight rod under parallel forces. The questions on light were generally well done. In current electricity, most candidates understood the laws of the Joule heating effect. A marked weakness was shown in the calculations relating to a circuit with finite battery resistance, particularly in considering the distinction between the electromotive force and the potential difference across the battery terminals. This trouble could perhaps be removed if the teacher emphasised the contrast between Kirchhoff's second law applied to a whole circuit, and Ohm's law applied to a part of it. In the practical examination, the pulley block experiment was surprisingly well

### Qualifying Examination

The results in Pharmacognosy resembled those of the 1957 examinations in that, of the successful candidates a few reached a high standard but many obtained little more than the minimum pass mark. More candidates showed a greater ability to provide factual in-

formation on such matters as the sources and constituents of individual drugs than to offer explanations of various procedures. Thus it was exceptional to find an adequate explanation of the precautions adopted in the storage of certain drugs and general questions on the adulteration and deterioration of drugs were avoided or answered in a confused and incomplete manner. The answers to questions on surgical dressings gave the impression that some candidates had not handled the materials which they attempted to describe. The importance of the study of standards for vegetable drugs and the evaluation of samples was again stressed.

In the practical examination some candidates were handicapped by an in-

adequate study of elementary botany. Of the candidates who sat for the subject of Pharmaceutics 65 per cent. passed. In the different sections of the subject 74 per cent. passed in theory, 77 per cent. in Pharmaceutics I and 88 per cent. in Pharmaceutics II. While these results are reasonably satisfactory too many candidates passed with very little to spare. 42 per cent. had marks between 50 and 60 per cent. and only 32 per cent. over 60 per cent. Of the candidates who failed, the majority showed general weakness; 6.4 per cent. failed in theory only and 6.8 per cent. in Pharmaceutics I only.

### Irrelevant Material

In the theory paper many candidates wrote answers which although factually accurate, were irrelevant to the question asked. Questions calling for critical discussion were generally poorly answered, candidates being content to repeat facts, presumably lecture notes, without discussion or understanding. Students should be encouraged to augment lectures by wider reading and actual discussion. The study of vegetable drugs and their preparations has been neglected, and the question on colloidal electrolytes was poorly answered. A few candidates failed badly in answering the posology question

Generally, practical paper 1 was reasonably well done. Although the system of labelling perfusion fluids in terms of milliequivalents is now in common use candidates who had an exercise involving such labelling were quite unable to carry out the necessary calculations.

In paper II some candidates did not appreciate the necessity for, and significance of, control tests when testing

materials for sterility.

Most candidates were adequately prepared for the written examination in physiology and pharmacology. The information provided by the practical notebooks was usually less satisfactory. With notable exceptions, physiological and pharmacological experiments were often skimped, and biochemical experiments absent. Substituted for the latter, and sometimes for all three, were numberless clinical pathological tests, some of them of the most bizarre kind. "These tests are to be found in technicians' standard

works where they should remain, undisturbed except by reference; it is surely a travesty of the intention of the syllabus to substitute these trivial analyses for experiments illustrating the principles of biochemistry." Schools must bear a part of the responsibility for these faults in a progressive syllabus

Since the overall percentage of students passing in Pharmaceutical Chemistry was reasonable, serious critical cism of the general standard of attain-ment would be unwarranted. There was the usual preference for the more routine type of textbook question where attempts could be made to replace the use of reason by the use of This resulted in the avoidance of such questions as that asking for the synthesis of a number of simple substances or intermediates denoted by graphic formulæ. In physical chemistry the knowledge was often superficial, as shown by the inability of the candidate correctly to carry out simple physico-chemical calculations Few really understood the subject. While the questions relating to such applied topics as viscosity and steam-distillation were popular, there was a distinct avoidance of the fundamental topics of the kinetic theory of gases, continuity of state and the theoretical basis of oxidation and reduction. A different type of weakness was revealed in the diagrams drawn to illustrate the process of steam distillation. The ele-mentary and even astonishing mistakes made gave clear proof that many candidates had not really observed much of the simple apparatus which they must have used in the laboratory, that is if they had in fact carried out work required by the syllabus.

### "Passive Recipients"

. . "This lack of training in observation combined with an unconscious tendency to be as passive recipients of knowledge as possible may account for the poor attempts so often made in the qualitative exercises of the practical examinations. . . . Candidates are at their worst when attempting to observe and record the properties and reactions of an unknown substance. If they can 'spot' what they have been given, they can usually 'observe' its reactions." If the substance remained unknown, as it might do in questions asking for the identification of elements. asking for the identification of elements and organic groups, the reports were usually poor. Not infrequently "identification" reactions were recorded as being "observed" for substances in-correctly "spotted." It would appear to be a fact that usually this was not due to dishonesty, but to a lack of disci-plined training in the practice of scientific observation, which allowed the candidate to convince himself that he had observed reactions which could not possibly have occurred.

The majority of candidates in Forensic Pharmacy appeared to possess an adequate knowledge of the legal requirements governing the supply of Poisons and Dangerous Drugs, and a number of very good papers were sub-

mitted. There was, however, a marked discrepancy between the standard of answers in Parts 1 and 2 of the papers. Many candidates passed in the latter section with only a few marks to spare, and others entirely neglected this portion of the syllabus.

### **Scotland**

### Intermediate Examination

In the written part of the botany examinations candidates would do much better if they answered the ques-tions simply and directly as the ex-

aminers set them.

In the practical examinations, more skill was displayed in the technique of cutting and mounting sections of plant material, but more care should be taken in the observation of detail to be seen in the prepared slides: often an important point was missed by candidates in their endeavour merely to give a specimen a name. Although over the years there seems to be a slow general improvement in candidates' work in both sections of the zoology examination, the poor candidate was still present in large numbers.

In the written papers it was the standard, hackneyed question which was often quite adequately done, but in other questions where the answer did not necessarily come from adjacent pages of a textbook, the lack of understanding, and sometimes sheer ignorance, of the majority was only too apparent. In the practical examinations, some did quite well. Others, judging from their performance and their notebooks, could not have been as adequately prepared as they might

There were a few very good theory chemistry papers showing that some candidates had grasped the main chemical principles and had done a fair amount of reading. Too many candidates, however, managed to pass with the minimum number of marks. Although chemical principles could often be stated correctly many candidates could not apply them and so made poor attempts at solving numerical problems.

The volumetric section of the practical work was quite well done, but the qualitative analysis was in many cases very poor, several candidates failing to identify even one of the four radicals

present.

### More Attention Needed

Regarding the physics examination the examiners report that the questions on electricity continued to be poorly answered, some candidates avoided them completely. The application of Ohm's law to simple circuits should be given more attention. In optics, the use of a diagram to illustrate the paths of rays of light was an indispensable part of an answer.

The standard of the practical work had shown no improvement. The can-didates' own notebooks showed that they had performed the experiments, or closely similar experiments, before and carried them out with sufficient care and an adequate number of readings, but their examination reports fall far below this standard. Observation of their work revealed a very hesitant

approach.

### Qualifying Examination

The most obvious weakness in the pharmacognosy written examination was the lack of knowledge and understanding of the evaluation of crude drugs. The fact that the significance of the Pharmacopæial standards was not appreciated was shown by the answers to the question on Digitalis Leaf and to the question dealing with adulteration. Drawings of the macro-scopical and microscopical characters of Liquorice were poor and inadequate. The significant microscopical characters of Acacia, Agar, Aloes and Opium were not thoroughly known and, in many cases, the methods suggested for their microscopical examination were absurd. There was evidence that the knowledge of the preparation, constituents, and precautions to be taken on storage of Cod-liver Oil and Peppermint Oil was very superficial. all candidates who attempted the question on Crêpe and Cotton Crêpe bandage did not know the structure of these bandages and few realised that rayon is a permitted constituent of cotton crêpe bandage. The question dealing with the infestation of drugs was poorly done, the majority of candidates had little knowledge of the characters of the organisms responsible and of the appearance of infested drugs.

In the practical examination the majority of candidates produced satisfactory work in the exercises dealing with the macroscopical characters of drugs, but exercises requiring microscopical techniques were usually badly done. The candidate should make a wider range of suitably treated preparations and these should be good enough to enable him to answer the question adequately.

In pharmaceutics many of the scripts received suffered from (a) faulty English construction, (b) the inclusion of much irrelevant matter, and (c) very bad writing. Few candidates showed evidence of having undergone a fine educational experience, and many showed signs of immaturity. Questions on the extraction of drugs were poorly

answered.

In the practical examination the standards of dispensing have deteriora-It is understood that the high standard of craftsmanship formerly exhibited by candidates is now unattainable, but it is still essential to show care and precision. A few candidates did not seem to realise the importance of recording their calculations.

In aseptic work the level of performance was fairly good, as could be expected from an examination in which the pattern was well established. However, questions involving manipulative technique coupled with an intelligent appraisal of a problem did not produce good results, and it appeared that many candidates lacked a fundamental know-

ledge of the subject.

The standard attained in physiology and pharmacology by the majority of candidates appeared to be about the same as last year. Very few candidates submitted really good papers. Questions on the biochemical part of the syllabus were fairly well done, whilst those requiring a knowledge of metabolism and of the central nervous system were not at all popular. There was still a tendency for candidates to try to memorise minutiæ at the expense acquiring a sound knowledge of

general principles.

The practical histology exercises were fairly well done but many candidates could not correlate the structure and function of correctly identified elements. The biochemical estimations which students were asked to carry out were all simple and reasonably well

performed.

The general standard in pharmaceutical chemistry was on the whole satisfactory and indicated that the candidates had received adequate instruction. Questions involving the simpler type of organic reaction were frequently less well answered than those involving more complicated chemistry and even some of the better scripts showed bad mistakes in writing simple formulæ and chemical equations.

The practical examinations continued to show recurring faults. Carelessness in calculations. Identification of official compounds was made more difficult by neglecting to observe the results of simple tests. Quantitative exercises were not always carried out in

duplicate.

As in past years the majority of candidates gained a pass in forensic pharmacy, but the general standard was lower than usual. Questions on scheduled poisons were well done, but those on labelling were not. Candidates should realise that marks are not given for irrelevant information. Precision and accuracy were essential in a subject such as forensic pharmacy.

### **WORLD TRADE**

French Trade in Chemicals.—French exports of chemicals in 1958 reached a value of 163,500 million francs and imports, 114,300 million francs.

Import Licensing in Cuba.—Import licensing has been instituted in Cuba for a wide range of goods. The United Kingdom products concerned include toilet soap. Payment for imports must be effected by letter of credit subject to prior grant of import licences. Further details are awaited.

Chemical Plant for Australia.—Following the recent opening of a sulphuric-acid plant at Geelong, Victoria, Australia, and their decision to build a resin plant at Clyde, Sydney, Shell Chemical (Australia) Proprietary, Ltd., are now to build a detergent alkylate plant at Geelong. The plant, which will cost over A£1 million, is due for completion in early 1961.

"Holiday." - A Malayan Tax Malayan Government order granting holidays" to ten industries and fifty-seven products was gazetted on February 12. It is the third order made under the Pioneer Industries (Relief From Income Tax) Ordinance, and is designed to encourage manufacturers to begin production in Malaya by promising them twelve months' freedom from income tax. The total number of industries named to date is twenty-six and individual products 111. In the new list are: Vitamins, lipstick, tooth-paste, "patent" medicine and cotton wool.

Industries include: Chemicals, toilet preparations, and pharmaceuticals.

### TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, FEBRUARY 18: There was little price movement in any of the markets during the week. Peru balsam remained steady at the higher price level to which it climbed last week.

Although PEPPERS mainly show an increase on the previous week it was thought that the peak may have been reached. The rise in TURMERIC was halted and quotations were inclined to show more variation than recently, African GINGER advanced a further 5s. per cwt, on the spot and at origin, while Cochin was sold at 130s, against 125s. in the previous week. The Board of Trade have given notice (see p. 191) that they are considering an applica-tion for the removal of import duty from RAUWOLFIA, A report from Tuticorin mentions the total absence of rain in the SENNA growing districts during January but at the beginning of February some rain fell and sowings were made immediately afterwards. Ship-ments of senna from the port of Tuticorin during January included the fol-

	U.K.	U.S.	EUROPE
SENNA	Tons	Tons	Tons
LEAVES	5	53	55
PODS	_	2	23

Formosan CITRONELLA OIL was fractionally dearer at origin, but Ceylon was unchanged. LEMONGRASS was easier for the first time this year, the spot price quoted being 6s. 7½d, per lb. against 6s. 9d, in the previous week and 5s. 4d, at the beginning of January.

There were no price changes announced by manufacturers of Pharmaceutical Chemicals.

### **Pharmaceutical Chemicals**

AMPHETAMINE.—One to 10-kilo lots are: BASE, from 140s. to 160s. as to quantity; SULPHATE is 110s. to 130s. and *d*-AMPHETAMINE SULPHATE, 405s. to 420s. for similar quantities.

AMYLOBARBITONE. — B.P.C. is 77s. 6d. per kilo for minimum 25-kilo lots and sodium, B.P.C., 87s. 6d. per kilo.

Antimony salts.—Quotations for potassium tartrate B.P., are 7s. 6d. per lb. for 1–10 cwt. and sodium tartrate, B.P., 12s. 6d.

ASPIRIN.—5-cwt. lots are 4s. 9d. per lb.; I-cwt., 4s. 11d. The Calcium salt is 12s. 6d. per lb.

ALUMINIUM HYDROXIDE. — One-cwt. lots of B.P.C. 1943 are 3s. 3d. pcr lb.

ATROPINE.—Rates for 16-oz. (500-gm.);

	per oz.	per kilo
	s. d.	s. d.
ALKALOID	 39 0	1375 0
HYDROCHI ORIDE	 36 0	1269 0
METHONITRATE	 39 0	1375 0
METHYL BROMIDE	 38 6	1357 0
SULPHATE	 34 0	1198 6

BARIUM SULPHATE. — 250-kilo lots of B.P. (x-ray) are now 3s.  $3\frac{1}{2}$ d. per kilo.

BENTONITE.—Offers of B.P. material are about £70 per ton as to quantity.

Brucine. — Alkaloid and sulphate in 100-oz. lots is now 7s. 3d. per oz.

BUTOBARBITONE. — B.P.C. is 82s. 6d. per kilo in minimum 25-kilo lots.

CAFFEINE. — Minimum rates for 5 cwt. or 250-kilos and over are as follows (kilo price in parentheses): — MONOHYDRATE,

178. 6d. per lb. (38s. 9d.); ANHY-DROUS, 18s. (39s. 9d.); CITRATE, 11s. 6d. 25s. 3d.); and SODIUM BENZOATE, 13s. 3d. (29s. 3d.); and SODIUM IODIDE, 22s. 6d. (49s. 6d.); and SODIUM SALICYLATE, 14s. 9d. (32s. 3d.).

Chloroform.—1-cwt. lots in winchesters are 3s.  $4\frac{1}{2}$ d. pcr lb.; 56-lb., 3s. 6d. In drums, prices are 3s. 2d. and 3s.  $2\frac{1}{2}$ d. per lb. respectively.

COCAINE.—For 16-oz. lots the price of the HYDROCHLORIDE is 91s. 6d. per oz. and ALKALOID, 101s. Subject to D.D.A. Regulations.

Cyclobarbitone. — Less than 25 kilos: B.P.C., 73s. per kilo. Calcium 85s.

Dextrose. — Rates are as follows:—MONOHYDRATE, B.P., 1-lb., 1s. 11½d.; 7-lb., 11s. 10d.; 28-lb., 43s.; free packages, less 12½ per cent. to wholesalers. In bulk, 1-ton lots, £90 ex works. ANHYDROUS, B.P., 7-lb. 14s.; 14-lb., 26s. 3d.; 28-lb., 49s. (terms as for monohydrate). 1-ton lots, £107 10s. ex warehouse.

ETHER. — Prices (per lb.) in winchesters are as follows:—TECHNICAL B.S.S., and SOLVENT, 5-cwt. 2s. 7d.; (4s. 1½d. litre). In drums the price is 2s. 2d. per lb. ANÆSTHETIC, B.P., 5-cwt., 3s. 10d.; 10-cwt. 32. 9d.

Formaldehyde. — B.P. solution in 1-4-drum lots is £39 15s. per ton; 5-drum lots are £38 15s. per ton.

GLYCEROPHOSPHATES.—Rates per lb. for 1-cwt. lots are as follows:—ACID, B.P.C., 20 per cent., 5s. 9d.; CALCIUM, soluble, B.P.C., 11s. 9d.; IRON, B.P.C., scale, 15s, 9d. and powders, 14s. 9d.; MAGNESIUM, soluble, B.P.C., 14s. 3d., and insoluble, 7s. 6d.; MANGANESE, B.P.C., 26s. 3d.; POTASSIUM, 50 per cent., B.P.C., 3s. 9d. and 50 per cent., B.P.C., 3s. 1d. and 75 per cent., B.P.C., 4s. 6d.

HEXAMINE.—B.P. is 1s. 11½d. per 1b. for 1-ton lots, delivered in 1-cwt. kegs. Technical is threepence per 1b. under those rate:

HEXOBARBITONE. — In 25-kilo lots or over the price is 115s, per kilo.

HYOSCINE HYDROBROMIDE.—Price per oz. is 102s

IODIDES. — Current quotations (per lb.) include the following:—

	28-lb.	1-c	wt	5-cwt.
	s. d.	5.	d.	s. d.
POTASSIUM	 7 6	7	3	7 0
SODIUM	 13 0	12	9	12 3
AMMONIUM	 21 9	20	5	_

IODINE.—Resublimed is 13s. 2d. per lb. in 1-cwt. lots, or 12s, 8d. in 5-cwt. lots. Minimum delivered rate for CRUDE is now 15s, per kilo.

IODOFORM.—Powder is 22s. 4d. pcr lb. in 28-lb. lots; 21s. 8d. in I-cwt. and 21s. 1d. in 5-cwt. lots. Crystals are 3s. per lb. more than the powder.

LACTAIES. — CALCIUM, B.P., is 2s. 10d. per lb, in 5-cwt. lots and 2s, 11d. in 1-cwt. lots; CALCIUM SODIUM for similar quantities is 4s, 9d, and 4s, 10d, per lb.

LEAD ACETATE. — B.P. crystals are 200s, per cwt. and technical, 180s.

METHADONE HYDROCHLORIDE. — Price is from 2s. to 2s. 6d. per gm. as to quantity. Subject to D.D.A. Regulations.

METOL. — In I-ewt. lots the price is 24s. 6d. per lb.

OLEIC ACID. — B.P. grade £170 10s. per ton (£174 10s. single drum lots); 1 gall. tins 21s. per gall.

OPIATES.—Home trade prices (per oz.) subject to D.D.A. Regulations:—

	3.	35 oz. and over		Under 35 oz,	
		3. 0	1.	S.	d.
Codeine					
PHOSPHATE	. 16	41	0	42	0
HY DROCHLORIDE	)	47	3	48	_3
SUI PHATE	/		3	48	3
ALKALOID			0	55	0
MORPHINE					
ACETATE	0	50	0	51	0
HYDROCHLORIDE		50	0	51	0
SULPHATE			0	51	0
TARTRATE		60 (	0	61	0
ALKALOID			3	62	3
ETHYLMORPHINE					
HYDROCHLORIDE		54 (	0	55	0
ALKAI OID			3	64	3
DIAMORPHINE					
HYDROCHLORIDE		54 9	9	55	9
AI KALOID		59	9	60	9

PHENOBARBITONE. — Under 50-kilo lots are 50s. per kilo and sodium, 55s. 6d.

Pentobarbitone sodium. — Minimum 25-kilo lots are 125s. per kilo.

PETHIDINE HYDROCHLORIDE. — B.P. 100-gm, lots, 100s. Subject to D.D.A. Regulations.

POTASH SULPHURATED. — Lump, B.P.C., is 2s. 4d. per lb. in 1-cwt. lots.

Potassium acetate. — (Per lb.) I-cwt. lots, 3s.; 5-cwt., 2s. 8d.; 10-cwt., 2s. 6d.

Potassium bicarbonate. — B.P. powder is 110s. pcr cwt. I-4-cwt. lots and 105s. per cwt. for 5-cwt. and over.

Potassium bromate.—In 5-cwt. lots the price being asked is 5s, 3d. per lb.

POTASSIUM CHLORIDE. — In 1-cwt. lots B.P., is 1s. 6d. per lb.

Potassium hydroxide.—B.P. sticks are from 6s. 8d. per lb. and pellets, 5s. 1d.; technical flake, 1s. 4d.

POTASSIUM 8-HYDROXYQUINOLINE SUL-PHATE. — 1 kilo is 47s. 1d. and 50 kilos, 44s. per kilo.

Potassium nitrate. — Pharmacopœial quality is 100s. per cwt. (crystal or powder) in 1-cwt. lots.

POTASSIUM PERMANGANATE. — Current rate for B.P. material for 1-cwt. lots is 1s. 11d. per lb. Technical is 204s. 6d. per cwt. and £193 10s. per ton.

Potassium quadroxalate. — One-cwt. lots are 3s. 6d. per lb.

POTASSIUM SULPHATE. — One-cwt. lots are from 1s. 2d. to 1s. 3d. per lb.

Potassium thiocyanate.—One-cwt. lots are 5s. 6d. per lb.

ROCHELLE SALT. — Rates (per cwt.) for powder or granulated material are as follows:—In 5-cwt. lots or over, 200s, per cwt.; 1-cwt., 202s. 6d. SEIDLITZ POWDER, ordinary strength is 160s. 6d. per cwt. in 1-cwt. lots; smalls, from 2s. to 2s. 3d. per lb. Extra strong is 172s. 6d. per cwt., and from 2s. 1d. to 2s. 4d. per lb. for small quantitics. Double-strength is 180s. per cwt.; smalls, 2s. 2d. to 2s. 5d. per lb.

Salol.—Quotations for B.P.C. are about 9s. per lb. for 1-cwt. lots.

STRYCHNINE.—Per oz.; ALKALOID, crystals, 8s. 3d. hydrochiloride, 8s. 4d.; Sulphate, 7s. 3d.; Nitrate, 8s. 9d., all for 100-oz. lots in free containers.

SULPHACETAMIDE. — Quotations (per lb.) for 1-cwt, lots are 24s, 6d. The SODIUM derivative is 30s.

SULPHAGUANIDINE.—Manufacturers' rates for 1-cwt. lots are about 11s. per lb.

SULPHANILAMIDE.—Manufacturers' rates for 1-cwt. lots are 5s. 9d. per lb.

SULPHATMAZOLE. — Price (per lb.) for 1-cwt. lots is 16s. 6d.



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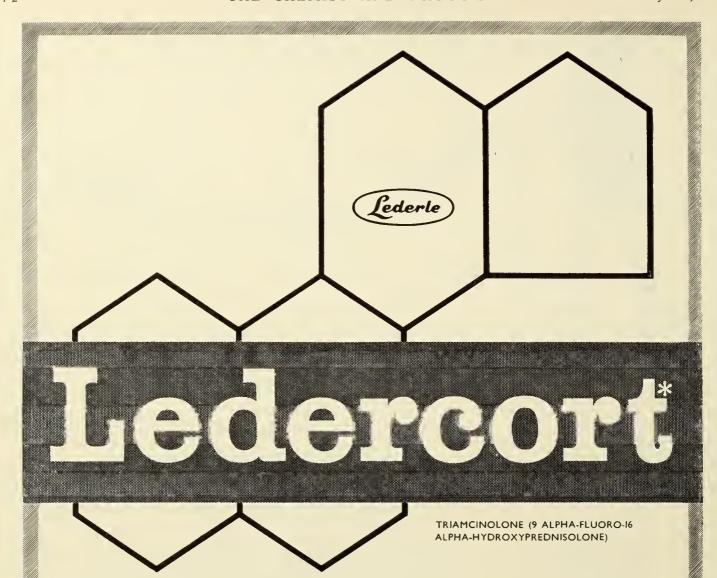
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LEDERGORT triamcinolone, Lederle's superior corticosteroid was developed to minimize the major deterrents to all previous steroid therapy. It offers increased potency for greater clinical effectiveness, reduced dosage and the distinct advantage of fewer side effects. It provides prolonged therapy more economically, with easier patient management.

LEDERCORT causes no oedema, no hypertension, no psychosis, no weight gain or potassium depletion, and there is a lower incidence of such side effects as peptic ulcer, osteoporosis, epigastric distress, diabetic state, cushinoid "obesity".

Studies on patients changed from prednisone and prednisolone indicate an average reduction in dosage with LEDERCORT of 50 per cent in bronchial asthma, allergic rhinitis, and in inflammatory and allergic skin diseases.

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### Crude Drugs

ACONITE. — Spot supplies of Spanish napellus are 2s. 6d. per lb.

AGAR.—Kobe No. 1 is 10s, 6d. per lb., duty paid; new-crop for shipment, 8s. 6d., c.i.f.

ALOES. — Cape prime on the spot is 220s. per cwt. and for shipment, 202s. 6d., c.i.f.

BALSAMS. — Quotations per lb. are:—CANADA: Spot, 23s. COPAIBA: Para from 7s. 6d., duty paid. PERU: scarce at origin. Spot, 10s. 3d. in bond. TOLU (genuine as imported): 17s. 6d., spot and 16s., c.i.f.; B.P., 15s. 6d.

BENZOIN.—Sumatra block on the spot is £22 to £28 as to quality. Shipment not

BUCHU.—Spot rounds are 6s, per lb. and new-crop for shipment, 5s. 6d., c.i.f.

CAMPHOR.—B.P. POWDER is from 4s. 3d. per lb., duty paid. TABLETS, 4-oz., are 5s. 6d. in bond.

CARDAMOMS.—Aleppy greens, spot, 15s. per lb.; forward shipment, 12s. 9d., c.i.f. Seeds, spot, 24s., shipment, 19s. 6d., c.i.f.

Cassia Lignea.—Spot, whole 270s. and shipment, 255s., c.i.f. CHERRY BARK.—Thin natural is 1s. 5d.

per lb., and rossed is 1s. 11d. CINNAMON.—Ceylon for shipment (c.i.f.) per lb.; OOOO, 6s. 9d.; OOO, 6s. 7\dd.; OO, 6s. 4\dd.; seconds, 4s. 7\dd.; featherings, 1s. 4\dd.; quillings, 4s. 1d.; chips, 1s.

CLOVES. — Zanzibar on the spot are 3s. per lb.; shipment, 2s. 8d., c.i.f.

COCHINEAL.—Silver-grey Peruvian quoted 6s. 4d. per lb., c.i.f.; Canary 1sles black-brilliant, 20s. 6d.; silver-grey, 17s. 6d. spot.

DIGITALIS LEAF.—Purpurea from 1s. 2½d. to 2s. 7d. per lb., c.i.f.

ELEMI.—Spot from 1s. 10½d. per 1b.

Frangula.—Spot is 105s. per cwt. GENTIAN. — Spot: French, 170s. per cwt.; Jugo-Slavian, 152s. 6d.

GINGER. — African, 130s. per cwt. spot and 117s. 6d., c.i.f. Jamaican No. 3, spot, 260s. and shipment 250s., c.i.f. Cochin spot 130s.; shipment nominal.

GUM ACACIA. — Kordofan cleaned sorts are 130s. per cwt. on the spot; February—March shipment, 119s., c.i.f.

HENNA.—Indian 80s. per cwt., ex wharf;

shipment, 62s., c.i.f.

HONEY. — Australian light-amber 1s 110s. to 115s. and medium amber 100s. to 105s. Argentine, 120s. to 125s.; Jamaican, 125s. to 130s.; New Zealand clover, 160s. to 170s.; all per cwt. on the spot spot.

KARAYA. — No. 1 gum on the spot is quoted at 230s. per cwt., No. 2 at 165s.

KOLA NUTS. — Jamaican spot market cleared, shipment, 7d. per lb., c.i.f. African 5d. to 5¼d. spot and 4d., c.i.f.

Krameria.—Root is quoted at 90s. per

Lanolin. — Aniiydrous, B.P., is from 170s. to 175s. per cwt. in 1-ton lots and Hydrous, B.P., 150s., free drums, delivered.

LYCOPODIUM. — Russian triple-sifted for shipment, 25s. per lb., c.i.f., nominal.

MACE.—Whole pale blade 23s. 6d. per lb. spot.

Menthol.—Chincse is 54s. per lb., duty paid; Brazilian, spot, 35s., duty paid, February-March shipment, 33s., c.i.f. Formosan for shipment, 36s., c.i.f.

MERCURY. - Price per flask (76-lb.) is £74 on the spot.

NUTMEGS.—West Indian 80's 17s. per ... spot; sound unassorted, 12s. 9d.; lb., spot; sidefectives, 9s.

ORANGE PEEL. - Scarce. Spot: Sweet ribbon, 2s. per lb.; bitter quarters: West Indian, 1s.; Spanish, 1s. 8d.

ORRIS ROOT. — Florentine is 335s, per cwt.

Papain.—East African, 21s. per 1b., c.i.f., for grade one, spot, 22s. 6d.

PEPPER.—White Sarawak spot, 2s. 11½d. per lb., February shipment, 2s. 10½d., c.i.f.; Black Sarawak spot, 1s. 8½d. nominal; February shipment, 1s. 7½d., c.i.f. Black Malabar new-crop for February shipment, 225s., c.i.f., spot, 225s.

PODOPHYLLUM.—*Emodi:* 230s. per cwt., c.i.f., shipment. *Peltatum*, on the spot, 4s. 3d. per ib.; shipment, 450s. per cwt., c.i.f.

QUASSIA. -Shipment offers are at 39s. per cwt., c.i.f.

QUILLAIA.—Spot offers of whole bark at 130s. per cwt.; cut, 170s.; crushed, 165s. Whole for shipment, 107s. 6d., c.i.f.

RAUWOLFIA. — Canescens, 2s. per lb., c.i.f.; Vomitoria, 2s. 3d., c.i.f.; Serpentina, 6s., c.i.f. asked.

RHUBARB.—Chinese small rounds 6s. 4½d. to 6s. 9d. Best grades not available on spot.

SAFFRON. — Spanish is quoted at 220s.

SARSAPARILLA.—Jamaican native red on the spot is 2s. 9d. per lb. Shipment, 2s. 6d., c.i.f.

2s. 6d., c.i.f.

SEEDS. — (Per cwt.). Anise. — Spanish, 165s.; Turkish, 140s., both spot, duty paid. Caraway.—Dutch, 120s., spot, duty paid. Celery.—Indian. 165s. on spot. shipment, 157s. 6d., c.i.f. Corlander.— Moroccan, 52s. 6d., duty paid and Polish, 49s., duty paid. Moroccan for shipment, 42s. 6d., c.i.f. CUMIN.—Cyprian nominally 260s. spot, no shipment offers. Iranian, 250s., in bond and 270s., duty paid; shipment, 250s., c.i.f. DILL.—Indian short on spot, 75s. quoted; shipment, 62s. 6d., c.i.f. Fennel.—Indian, 145s., duty paid for small lots. Fenugreek.—Moroccan, 45s. spot. duty paid; shipment, 43s. 6d., c.i.f. Mustard.—English is scarce at 125s.

Senega.—Spot offered at 14s. 6d. per

SENEGA.—Spot offered at 14s. 6d. per lb.; shipment scarce.

SENNA. — Tinnevelly LEAVES, prime No. 1, 1s. 5d. per lb., f.a.q., No. 3, 10d. Pods: manufacturing (f.a.q.) 1s. 3½d. and hand-picked, 1s. 9d. to 2s. 2d. Alexandria pods: Manufacturing, onered from with hand-picked from 4s, to 6s, 6d, Manufacturing, offered from 1s. 6d.

SHELLAC.—F.O.T.N. 177s. 6d. per cwt., F.O. No. 1, 207s. 6d.; fine orange, 215s. to 265s.

SLIPPERY ELM. - Grinding quality bark is 2s. 7d. per lb.

SQUILL.—White is quoted at 85s. per cwt. on the spot.

STRAMONIUM. — Indian LEAVES 70s. per cwt., and European, 80s., spot. Dutch 0.5 per cent. alkaloid, 94s., c.i.f., shipment.

STYRAX. — Spot. 29s. per lb., shipment,

Tonquin Beans.—Para on the spot are offered at 8s. 3d. per lb. Angostura, 11s.

Tragacanth.—No. 1 ribbon is £115 to £120 per cwt. No. 2, £105 to £110.

TURMERIC. — Madras finger is nominally 90s. on the spot; new crop for April-May shipment, 84s. 6d., c.i.f.

VALERIAN ROOT. — Spot: Indian (with rootlets) is 130s, and Belgian, 175s, to 195s, per cwt. Dutch (max.  $2\frac{1}{2}$  per cent. sand) for prompt shipment, 159s., c.i.f.

Vanillin.—Rates (per lb). are now; 5-cwt. lots, 25s. 3d.; 1 cwt. 25s. 6d 56-lb., 25s. 9d.; smaller quantities, 26s.

WAXES. — (Per cwt.), BEES'.—Dar-es-Salaam, spot, 480s.; shipment, 465s., c.i.f. Abyssinian, spot, 450s. in bond; shipment, 420s. c.i.f. Benguela spot, nominal; shipment, 405s., c.i.f. Candelilla.—Spot 460s. Carnauba.—Fatty grey spot, 580s.; for shipment, 575s., c.i.f. Prime yellow, spot, 900s.; shipment, 880s., c.i.f.

### **Essential and Expressed Oils**

ALMOND. — British oil is 9s. per lb. Moroccan, 6s. 9d., in bond.

AMBER.—Rectified on the spot is 1s. 6d. per 1b.

Anise.—Chinese, 8s. 3d. per lb.; spot; shipment, 8s., c.i.f.

BAY.—West Indian is 12s. 6d. per lb. on the spot.

CAJUPUT.—Spot supplies are from 10s.

CALAMUS.—Spot quotations are 62s. 6d. per 1b.

CARDAMOM. — Price per lb. is from 350s, for English-distilled and 267s. 6d. for imported.

CASTOR.—Home-produced B.P. oil on the spot is £130 per ton naked ex mill (2-ton

CINNAMON. -- From quillings, best Engchramon.—From quinings, best English-distilled is 50s. per oz.; other B.P. oils from 165s, per lb. Ceylon, leaf, spot, 11s. 6d. per lb.; shipment, 10s. 10½d., c.i.f., rectified, 15s. per lb.; Seychelles, 6s. 6d., spot.

CITRONELLA.—Ceylon, spot is 3s. 10½d. shipment, 3s. 3d., c.i.f. Formosan, spot 4s., in bond; shipment, 3s. 9½d., c.i.f.

EUCALYPTUS. — Australian 70 to 75 per cent, eucalyptol on the spot is 4s, 9d, per lb, 80–85 per cent., 5s, 6d, Spanish (70–75), 4s, spot. Chinese 3s, to 3s, 3d,

JUNIPER. — B.P.C. 1949 oil is from 12s. 6d. per lb. on the spot. English-distilled, 180s. JUNIPER WOOD, from 5s.

LAVANDIN.—Spot is from 10s. to 12s. 6d. per lb. for original drums.

LAVENDER.—French oil, 40-42 per cent. is 42s. per lb.

LAVENDER SPIKE.—Spanish is at 13s. 6d. to 17s. 6d. per lb. for original drums.

Lemongrass. — Spot 6s.  $7\frac{1}{2}$ d. per lb., and shipment, 6s. 5d., c.i.f.

ORANGE.—Spot quotations of sweet oil include Floridan at 7s. 6d. per lb.; Californian, 10s.; West Indian, 10s.; West African 19s.; Israeli, 12s. 6d. For prompt shipment. Californian cold-pressed U.S.P., 10s. 9d., c.i.f.; distilled 5s., c.i.f. Terpeneless is 200s. per lb., spot.

Petitgrain. — Paraguay is offered at 17s. 6d. per lb. on the spot; 16s., c.i.f.

PIMENTO. — English-distilled berry 180s. per lb.; imported, 77s. 6d. Rectified leaf, 27s. 6d. per lb. for small lots.

PINE,—Pumilionis on the spot is 16s. er 1b.; sylvestris, 25s.; Siberian (abietis), 12s. 6d.

SASSAFRAS. — Brazilian is from 3s. 6d. per lb.. duty paid.

SPEARMINT.—Offers of U.S.P. grade are from 37s. 6d. to 42s. 6d. per lb., spot. Chinese, 25s., spot and 23s., c.i.f., per lb.

TANGERINE. — Hand-pressed is 55s. per lb. and machine-pressed, 42s. 6d.; others, 28s. to 29s. on the spot.

VETIVERT. — Spot is currently at about 80s. per lb.

YLANG YLANG. — Spot is from 32s. 6d. to 46s, per lb. as to grade.

### UNITED STATES REPORT

NEW YORK, FEBRUARY 17: The United States Government is to re-offer some 13,860,000 oz. of Quinine for domestic or export sale. BRUCINE continued upwards with the ALKALOID now \$2.45 and the SULPHATE \$1.65, each up 15 cents. Among Crude Drugs, lower per lb, were BUCHU at \$1, down five cents; Tolu BALSAM at \$2.45, down 20 cents and GUARANA at \$1.50, down \$1. Higher were Tangerine oil at \$3.75, up 50 cents, Bourbon GERANIUM OIL at \$19.00, up 50 cents and Formosan CITRONELLA at 55 cents, up three cents.

### PRINT AND PUBLICITY

### PRESS ADVERTISING

J. ALLEN RUBBER Co., LTD., Whitecroft, Glos: Marigold two-tone rubber gloves. In Sunday Express during March, April and May: Marigold baby pants in southern regional newspapers during February.

Brand & Co., Ltd., Mayfair Works, Vauxhall, London, S.W.8: Brand's essence. In national Sunday Press.

BURROUGHS WILLCOME & Co., 183 Euston Road, London, N.W.I: Marzíne, In national Press. BYARD MANUFACTURING Co., LID., Nottingham: Halo and Tango hair nets, In women's maga-

Domestos, Ltd., College Works, Albion Row. Newcastle-on-Tyne, 6: Bubbly Stergene. In Daily Mirror, Radio Times, Woman, Woman's Own, Woman and Home, and northern local

ESSO PETROLEUM CO., LTD., Speciality Department, 128 Albert Street, London, N.W.J.: Flit press-button spray, In national newspapers, Radio Times and women's magazines,

GLAXO LABORATORIES, LTD., Greenford, Middle-sex: Ostermilk and Farex, In Daily Express,



ADVERTISING LINK-UP: Linking up with intensive Press and television advertising for Silvikrin hair cream, the two new showeards shown here are designed in two sizes: the smaller (6 x 4 in.) is for counter display; the larger (10 x 8 in.) for counter and window use. Both are available from County Laboratories, Ltd., Honeypot Lane, Stanmore, Middlesex.

GREENWOOD LABORATORIES, LTD., Meadow Works, Welham Green, Herts: Formula 21, women's magazines and national Press.

W. HAMPSHIRE & CO., LTD., Sunnydale. Derby: Loxene medicated shampoo, In national Press and women's magazines, Loxene medicated hair cream. In Daily Express.

HORLICKS, LTD., Slough, Bucks: Air-wick, In Woman and Woman's Own.

KRAIJIH CHEMICALS, LTD., Weybridge, Denclen, In Daily Express, Daily Mail, Daily Herald, Daily Mirror, Daily Telegraph, News Chronicle, News of the World, Sunday Express, Empire News and Sunday Chronicle, and Radio Times.

MONDART, 1 ID., 49 Park Lane, London, W.I: Max air freshener, In Radio Times, T.V. Times, Ideal Home, Homes and Gardens, Housewife, and Good Housekeeping.

PLPSODENT, LID., 449 London Road, Isleworth. Middlesex: Twink. In Daily Mirror, Woman, Woman's Own, Woman's Realm, Woman's Day, and Woman's Mirror, Harmony. Woman, Woman's Day, Woman's Realm, and Woman's Own,

RIMMEL, L1D., 146 New Bond Street, London, W.1: "Beauty on a Budget." In Daily Mirror, Daily Sketch, Woman's Mirror, Woman's Realm, Woman's Day, Woman's Weekly, Woman's Companion, Woman & Beauty, Modern Woman, Everywoman, True Magazine, frue Story, True Romances, Sincerely, Photoplay, Woman's Story Magazine, Woman & Home, Wife & Home, My Home during Home, Wife February and March.

SCOIT & TURNER, LID., Gallowgate, Newcastleupon-Tyne, 1: Delrosa rose-hip syrup, In Woman's Own,



AMONG THE LIGHTS: "Forceful simplicity" is claimed in the strength of the latest sign to join the bright lights of Piccadilly. The sign manufactured by Claude-General Ncon Lights, Ltd., London, W.C.2, for Ever-Ready Razor Products, Ltd., advertises the new Pal Injectomatic razor. Name and message are strongly reinforced by two 7-ft, high replicas of the razor. The sign is made entirely of Perspex and "equally as powerful by day" as when illuminated by means of parallel lines of fluorescent white tuhing.

TORBET LACTIC OAT CO., LTD., 24 Great King Street, Edinburgh, 3: Calsalettes, In Daily Sketch, Weekly Scotsman, Woman's Weekly. Woman's Illustrated, Woman's Day, Woman's Realm, Weekend Mirror, John Bull, Everywoman, Modern Woman, She, Housewife, Woman and Beauty, Punch, Wife and Home, Reader's Digest.

Universal Laboratories, Ltd., Road, Folkestone: Daxaids, In Daily Express, Daily Mirror, Daily Herald and Empire News. Leeve, In Daily Express and Daily Mirror. Da cote. In Daily Express, Daily Mirror and Sunday Empire News, Cleer, In Daily Express and Daily Mirror.

7. & F. WALKER, LTD., Kirkby, Liverpool: Rotosan products. In national newspapers and women's magazines,

### PUBLICATIONS

Medical Propaganda
Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists.

ARMOUR LABORATORIES, Hampden Park, Eastbourne, Sussex: "Chymar in Plastic Surgery (4-p. folder).

BAYER PRODUCTS, LTD., Neville House, Kingston-on-Thames: "Hexopal" (4-p. folder). Brand & Co., Ltd., Mayfair Works, Vauxhall, London, S.W.8: "Brand's essences of beef

London, S.W.8; "Brand chicken" (folder).

British Schiring, Ltd., 229 Kensington High Street, London, W.8: "Neo-Mercazole" (4-p. folder and information card), "Albucid nasal spray" (folder).

Road, London, W.C.I: "Alcos-Anal" (8-p. booklet), "Cyclospasmol" (6-p. folder), "Disipal," "Elimit" (8-p. booklets), "Nohæsa," "Kamillosan," "Ottgol," "Posallilin," "Pruvoral pastilles" (4-p. folders), "Pruvagol," "Tampovagan" (8-p.

booklets). CIBA LABORATORILS, LTD., Horsham, Sussex: Esídrex " (information card and 4-p, folder); "Vioform-Hydrocortisone" (information card and 8-p. booklet).

CONTINUAL LABORATORIES, LTD., 101 Great Russell Street, London, W.C.1: "Conprin" (4-p. folder).

GEIGY PHARMACEUTICAL CO., LTD., Wythenshawe, Manchester, 23: "Butazolidin in lumbago" Manchester, 23: "Butazolidin in lumbago" (6-p. folder), "Dosulfin" (folder and dosage card), "Desogen"/" Eurax" (blotter).

GLAXO LABORATORIES, LID., Greenford, Middlesex: "Biotexin," "Dimycin," "Intradex," "Intradex," " Biotexin," " Myodil" (information cards),

MERCK SHARP & DOHME, LTD., Hoddesdon, Herts: "Decadron" (6-p. folder).

Pharmaceutical Specialities (May & Barfr), LTD., Dagenham, Essex: "Largactil" (4-p. folder), "Penvikol" (4-p. folder and 21-p. booklet), "Rovamycin" (information cards), "Sulphatriad" (blotter), "Vallergan" (20-p. booklet).

ROUSSIL LABORATORIES, LTD., 847 Harrow Road, London, N.W.10: "Androstalone" (12-p, booklet), "Coltromyl" (16-p, booklet), "Dexa-Cortisyl" (6-p, folder), "Pre-Cortisyl Dexa-Cortisyl '' (6-p. folder), '' Pre-Cortisyl ntravenous '' (12-p. booklet), '' Soframycin intravenous " nebulíser '' (4-p. folder).

WARD, BUNKINSOP & Co., Ltd., 37 Queen Square, London, W.C.1; "Adaprin" (information eard), "Harker's disposable enema" (4-p, folder).

Price Lists
BAYER PRODUCTS, LTD., Nevi'le House, Eden Street, Kingston-on-Thames, Surrey: Chemists' price list, January 1959.

CIBA LABORATORIES, LTD., Horsham, Sussex: Additions to November 1958 trade price list.

DISTILLERS COMPANY (BIOCHEMICALS), I Speke, Liverpool, 24: Trade list, January.

GLAXO LABORATORIES, LTD., Greenford, Middlesex: Prednisolone preparations.

LEDERIE LABORATORIES DIVISION, CYANAMID OF GREAT BRITAIN, LTD., Bush House, Aldwych, London, W.C.2: Price list changes.

ROCHE PRODUCTS, LID., 15 Manchester Square. London, W.1: Price list 1959.

### Catalogues

CHILEAN IODINE EDUCATIONAL BUREAU, Chile House, Ropemaker Street, London, E.C.2: Catalogue of publications.

### DISPLAY

J. ALLEN RUBBER Co., LTD., Whitecroft, Lydney, Glos: Counter display stands and cards

for Marigold house gloves and baby pants. STAFFORD-MILLER, LTD., 166 Great North Road, Hatfield, Herts: Dr Wernet's powder, show-

card  $5\frac{7}{16}$  x  $8\frac{1}{8}$  in, and crowner. Trufood, Ltd., 113 Newington Causeway, London, S.E.1: Sa'es dispensers for "Spoondon, S.E.1; Sales dispensers for "Sr foods." Holds forty-eight jars arranged deep in four rows. Size 16 x 12 x 40 in, high.



DISPLAY OUTER: Onter with eut-out display card in which Ultraplast alginate dressings are heing sent ont by the manufacturers, Wallace, Cameron & Co., Ltd., 83 West Regent Street, Glasgow, C.2.

### TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," January 28

For analgesic and antipyretic pharmaceutical preparations (5)

TRALGON, 753,006, by E. R. Squibb & Sons, Ltd., London, W.1.

For all goods (5)

REVLON, 760,475, by Revlon, Inc., New York, U.S.A. NEBDOSAN, TALAKT, COC-REVLON, 760,475, 781,296-98, by Winthrop Products. Ltd., King ton-on-Thames, Surrey, SAFFE-LAM, 782,580, by Glaxo Laboratories, Ltd., Greenford, Middlesex, TABLONGETS, 783,156, C. H. Bochringer Sohn, Ingelheim-on-Rhine, Germany,

For deodorants (5)

CLEANIFAIR, 779,304, by Samuel Wachsman, London, N.16.

For anthelmintic pharmaceutical preparations for numan use (5)

Device with words ANTEPAR ELIXIR THE WORM EXPELLER, B779,469, by the Wellcome Foundation, Ltd., London, N.W.1, For pharmaceutical preparations and substances

for human and veterinary use (5)

ESIDREX, 782,734, by CIBA, Ltd., Basle. Switzerland,

For disinfectants, veterinary preparations, insecticides, fungicides, larvicides, germicides and preparations for killing weeds and brushwood (5) SELMONE, 783,340, by Burt, Boulton & Hay-wood, Ltd., London, W.C.2.

For electric shaving instruments (8)

ROBOTER, 781,010, by Ariel Heller, London, E.C.2.

From the "Trade Marks Journal," February 4 For oleic acid, fatty acids, and oils (1)

TALENE, 779,910, by Benjamin R, Viekers & Sons, Ltd., Lecds, 6.

For chemical substances for use in industry (1),

pharmaceutical preparations and substances (5)
CEPRIDINE, 782,330 - 31, CEPYRIDE, 782,332-33, by Macleans, Ltd., Brentford, Middlesex.

For non-medicated toilet preparations, cosmetic preparations, lipsticks, shampoos, face powders (non-medicated), perfumes, perfumed soap, eau de Cologne, nail lacquers, dentifrices, brilliantine, essential oils for use as bases in the manufacture of perfumes and of toilet and cosmetic prepara-

tions, and toilet articles (3)
TANBARK, 779,954, by Lentheric, Ltd., Lon-

don, W.1.

For soaps, but not including polishing soaps (3) HIBRITE, 780,500, by Brentford Soap Co., Ltd., Brentford, Middlesex. For dentifrices (3)

PRODIUM, 781,293, by William Henry Fisher, Codsall, Staffs.

For perfumes, non-medicated toilet preparations, eau de Cologne, cosmetics, preparations for the hair, soaps, dentifrices, essential oils; and per-fumed compounds, aromatic substances and toilet articles (3)

DERSERT DRI, 781,914, by Shulton, Inc., Clifton, New Jerscy, U.S.A.

For all goods (3)

PREGALIN, 782,423, by Laienstein's Fabricken, N.V., Koog-on-thc-Zaan, Holland

cosmetics and toilet preparations For soaps, (non-medicated) (3)

MEDLON, 782,492, by Ethel Mary Croft, London, W.2.

For perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, soaps, and essential oils (3)

LA RONDE, 782,880, by Cussons, Sons & Co., Ltd., Kersal, Manchester.

For pharmaceutical preparations for peroral administration in the treatment of geriatric com-

SEVANDIL, 772,112, by A.B. Pharmacia, Uppsala, Sweden.

For pharmaceutical and sanitary preparations (5) Device of words E. RITSERT, 747,134, by Dr. Eduard Ritsert, Frankfort-on-Main, Germany.

For all goods (5)

ORATENSIN, 781,270, by Imperial Chemical

Industries, Ltd., London, S.W.I. PACINOL,

782,424, by Harker Stagg, Ltd., London, E.1. For medicinal herbs, the produce of Asia (5) FO-TI TIENG, 775,695, by Philip dc Bercnger-Layman, London, N.W.6.

For medicated preparations in jelly or ointment form for use in the treatment of the skin (5) BECTA, 776,893, by D.D.D. Co., Ltd., Wat-

ford, Herts. For antibiotics (5)

ASPIMYCIN, 780,643, by Farbenfabriken Bayer, A.G., Leverkusen, Germany.

For p'armaceutical preparations (5) ASPIVITAL, 780,645, COMITAL, 781,782, by Farbenfabriken Bayer, A.G., Leverkusen, Ger-

many. For pharmaceutical preparations and substances, for human and veterinary use, all containing iron (5)

FERRIMAX, B781,399, by Osmond & Sons.

For pharmaceutical preparations and substances for veterinary use (5)

DISVAX, 781,499, by Willows Francis, Ltd., London, E.8.

For pharmaceutical preparations and substances

for human and veterinary use (5) ISMELIN, 783,130, by CIBA, Ltd., Basle.

For pharmaceutical preparations and substances

MELLERIL. 783,731, by Sandoz Products, Ltd., Bradford, Yorks.

For cameras, enlarging apparatus, copying apparatus, exposure meters, range-finders, view-finders and light filters, all being photographic,

Devices with words E. LEITZ WETZLAR, B779,230. LEITZ WETZLAR, B779,231. by Ernst Leitz, G.m.b.H., Wetzlar, Germany.

For photograp'tic apparatus and instruments, lens holders, light filter holders and flash guns for photographic purposes (9)

DUETTE, 781,981, by Julius Joseph Silber, London, W.C.1.

For cameras and parts and fittings (9)

KALIMAR, 782,748, by Kalimar, Inc., St. Louis, Missouri, U.S.A.

For surgical and medical apparatus (10)

BEEP, 782,289, by Elsic Mary Grant, Albury, Guildford, Surrey.

### From the "Trade Marks Journal," February 11

For chemical products for use in agriculture, horticulture and forestry, all being goods manufactured from amides or containing amides or derivatives of amides (1)

FAMID, 780,890, by CIBA, Ltd., Basle, Swit-

For perfumes, non-saponaceous toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair and essential oils (3)

ANGEL CLEAN, B764,421, by Chescbrough-Ponds, Ltd., London, N.W.10,

For perfumes, non-medicated toilet preparations and cosmetic preparations, none being goods for export (3)

ATLANTIS, 771,679, by Reckitt & Sons, Ltd., Hull, Yorks,

For waxes for cleaning, polishing, laundry and toilet purposes (3)

Device, B780,090, by Ly-bak, Ltd., Portslade.

For non-medicated toilet preparations, cosmetic preparations, brilliantine, perfumes, soaps, face powders (non-medicated), lipsticks, hair-lotions, shampoos, dentifrices, nail lacquers, essential oils for use as bases in perfumes and in the manufacture of toilet and cosmetic preparations, and toilet articles (not included in other classes) (3)

GIGI, 780,689, by Coty (England), Ltd., London, W.I.

For perfumes, non-medicated toilet preparations, eau-de-Cologne, cosmetic preparations, prepara-tions for the hair, soaps, dentifrices, essential oils; perfumed compounds and aromatic sub-stances, all for use in the manufacture of per-fumes and of perfumed articles; and toilet articles (3)

ZYGMUNT, B781,768, by Zygmunt (Bond Street), Ltd., London, W.1.

For all goods (3)

SPRING AGAIN, 782,439, by Larsons Produkte, A.G., Glarus, Switzerland. JAPAX, 782,864, by Newlands Bros. & Mumford, London, W.10. GALAMATIC, by Gala of London, Ltd., London, W.1.

For waxes for use in manufactures (4) and pharmaceutical substances and preparations, but not including medicated paper tissues, cotton wool or materials prepared for bandaging (5)

LOROL, 778,079-80, by Ronsheim & Moore.

Ltd., Castleford, Yorks.

For pharmaceutical preparations containing chlorine or chlorine derivatives (5)

CHLORAMEX, 777,892, by A/S Dumex,

Copenhagen, Denmark.

For pharmaceutical preparations and substances

JAD1T, 783,949, by Farbwerke Hocehst, A.G. Vormals Meister Lucius & Bruning, Frankforton-Main-Hoechst, Germany.

### COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

### Monday, February 23

FINCHLEY BRANCH, PHARMACEUTICAL SOCIETY.
Bull and Butcher, Whetstone, London, N.20, at 8 p.m. Mr. W. S. Howells (treasurer of Society) on "The Finances of the Society."
NATIONAL DISPLAY EQUIPMENT ASSOCIATION, hotel Purcel hotel Russell, Russell Square, London, W.C.1. "Display Market Week" exhibition of display equipment. Until February 27.

### Tuesday, February 24

NORTH STAFFS BRANCH, PHARMACEUTICAL SOCIETY, and North Staffs Medical Society, board room, Hospital Management Committee, Princes Professor W. A. C. Stewart (University College, North Staffs) on "Theories of Intelligence and Some of Their Implications."

Physical Methods Group, Society For Analysts (Chrystery Consists, Society For Analysts)

TICAL CHEMISTRY, Chemical Society, Burlington House, Piccadilly, London, W.1, at 6.30 p.m. Meeting on "The Analysis of Intact Samples."

SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY, Grand hotel, Leopold Street, at 8 p.m. Mr. G. Longstaff (Agfa, Ltd.), on "The Calendar in

SOUTH-WEST LONDON CHEMISTS' ASSOCIATION AND BRANCH. PHARMACEUTICAL SOCIETY, Berkeley rooms, Putney, S.W.15, Meeting.

### Wednesday, February 25

Manchester Branch, Guild of Public Phar-macists, Engineers' club, Albert Square, at 6 p.m. Annual meeting.

### Thursday, February 26

BRISTOL BRANCH, PHARMACEUTICAL SOCIETY, Old Council house, Corn Street, at 7.15 p.m. Mr. C. C. Stevens (pharmaceutical division, Imperial Chemical Industrics, Ltd.) on "The Pharmacist and Common Law."

INSTITUTION OF INDUSTRIAL SAFETY OFFICERS, Royal Society of Arts, 6 John Adam Street, London, W.C.2, at 2.30 p.m. Mr. R. E. Tugman (president) on "The Responsibility of Management for the Prevention of Industrial Aceidents.

MIDLAND MANAGEMENT CONFERENCE, British Institute of Management, Town hall, Leamington Spa. Two-day conference on "Management in a Competitive World."

### Friday, February 27

Manchester Pharmaceutical Golfing Society, Engineers' club, Albert Square, at 8 p.m. Annual dinner.

PORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY, College of Technology, Portsmouth, at 7 p.m. Dr. R. J. Boscott on "Some Recent Developments in Drug Research,"

### **Advance Information**

LEICESTER COLLEGE OF TECHNOLOGY AND COM-MERCF, Sehool of Pharmacy, Grand hotel, at 7 p.m. on March 6. Annual reunion dinner and

### **TELEVISION**

Programme details are given to enable chemists to put in linking-up displays if they wish. Figures in the columns represent number of appearances of the product during the week.

March 1-7	London Midland North Scotland Wales South N.E.
Alka-Seltzer	$1 \ 2 \ 2 - 2 - 1$
Amami wave set	1 2 2 — 2 — 1 2 2 2 — 2 3 2 3 3 3 3 3 3 3
Anadin	3 3 3 3 3 3 3
Andrews liver salt	2 2 2 2 1 2 3
Anne French	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Antussin	3 - 4
Askit	12
Beecham's pills	_ 2 - 3
Beecham's powders	3 4 4 1 2 - 2
Bisodol	_ 3
Bristow's shanipoo	2 2 2 2 3 3 3
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
California syrup of figs	
Camay soap	
Cephos	
Cojene	. – 3 – – – –
Cutieura	
Damaskin	
Delrosa	. — — — — 1 2
Diuromil	
Eno's Fruit Salt	
Euthymol tooth-paste	<u> </u>
Ferguzade	
Formula 21	. 5 4 4 5 5 5 5
Germotene	. 3 4 4 4 — — 4
Gibbs' S.R. tooth-paste	. 3 3 3 2 4 3 3
Gillette razors and blades	
Glymiel jelly	
Horlicks	
Imperial Leather soap	
Knight's Castile soap	
Kolynos tooth-paste	
Lanospray	
Laurelana R. D. La	
	. 1 1 1
Loxene medicated shampoo	
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N. C 1.1 . 1 . 1	
Marigold baby pants	
Marigold house gloves	
Max Factor preparations	
Mayfair personal weigher.	
Mentholatum rub	
Milk of Magnesia	
Milk of Magnesia tablet	
Moorland tablets	
Nemakol	. 1 2 2 1 1 1 1
Nemakol Penetrol	
Pepsodent tooth-paste	. 3 3 3 2 3 3 3
Phensic	. 2 1 2 3 2 - 3
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134 11	. 1
Potter's eatarrh pastilles .	
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STUDIO VISIT: Over thirty retail and wholesale chemists from the North and Midlands, customers of County Laboratories, Ltd., Stanmore, Middlesex, visited ABC Television's Manchester studios on February 7 as guests of the company, The guests were interviewed by executives of both organisations. After a tour of the studios, the party took part in a discussion on "The Power of Television in Selling Products." Messrs. County are planning visits to other television contractors' studios.

Preparation H — — — 1 =
Puneh and Judy tooth-paste 1 ==
Rinstead pastilles $1$
Sanatogen
Savlon barrier cream 1 2 2 2 2 2 1
Sebbix 2 3 4 4 — — —
Shavex 2 2
Tangee lipstick $ 4 =$
Twink home permanent 4 4 4 4 4 4 4
Valderma $3-32$
Valrosa — — — 3 —
Vaseline petroleum jelly 5 5 5 5 5 5 5
Veno's eough mixture $-1$ 1 1 $-4$
Vosene shampoo 4 3 4 3 4 4 5
Water filies shampoo $3 =$
Yeast-Vite 1 1 1 1 1 — —
Zeph — — 2 — — —
Zubes 2 2 2 2 2 — —



VERSATILE "CROWNER": Some of the ways in which a new "crowner" for Scotties produced by Bowater-Scott Corporation, Ltd., Knightsbridge, London, S.W.1, may be used in window or on counter. Lett: A small pack upright. At rear: Tongues folded in half. Right: Large pack lying flat (side flaps bearing back and tongues folded inward and forward). At rear again: Large pack upright (side flaps bent forward). "Crowners" are available through the company's representatives.

### WILLS

Mr. B. B. ABELSON, M.P.S., 17 Honiton Road, Queens Park, London, N.W.6, left £6,933 (£6,774 net).

MR. J. E. BARNES, M.P.S., Lakeside, Limes Avenue, Langwith, Derbyshire, left £24,608 (£24,543 net).

MR, W. M. CARR, M.P.S., Leaholme, Sunderland Road, Newbottle, Houghton-le-Spring, co. Durham, left £2,892 (£2,154 net).

Mr. G. CLEOBURY, M.P.S., 181 Holyhead Road, Handsworth, Birmingham, left £7,778 (£7,699 net).

Mr. V. CROMACK, M.P.S., 32 Park Range, Vietoria Park, Manchester, left £14,781.

MR, W. FINEGAN, M.P.S.I., Ludlow Street, Navan, eo. Meath, left £6,699.

Mr. S. Gafan, M.P.S., 2 Legh Road, Broughton Park, Salford, Lanes, left £25,724 (£22,414 net).

MR. W. EDWARD HOBBS, M.P.S., 80 Wood End Green Road, Hayes, Middlesex, left £4,313 (£2,098 net).

MR. C. W. HUDDART, M.P.S., 234 Burnley Road, Padiham, Lanes, left £13,240 (£13,001 net).

MR. H. KEY, M.P.S., 60 Sir Harry's Road, Edgbaston, Birmingham, left £52,323 (£51,541 net).

Miss E. M. C. Lowe, M.P.S., 26 Brunswick Road, Gloueester, left £4,188 (£4,099 net).

Mr. E. Moss, M.P.S., Casa Mia, Seacroft Avenue, Barton-on-Sea, Lymington, Hants, left £22,758 (£22,308 net).

Mr. J. H. Muschamp, M.P.S., 92 Telford Street, Holderness Road, Hull, left £7,997 (£7,906 net).

Mr. E. Palmer, M.P.S., Rustlings, Beeches Close, Kingswood, Tadworth, Surrey, left £10,469 (£10,285 net).

MR. P. M. PLUMTREE, M.P.S., 36 Richmond Road, Southport, left £2,105 (£2,028 net).

MR. J. S. ROBINSON, M.P.S., 17 Fleet Street, Bishop Auekland, co. Durham, left £3,889 (£3,618 net).

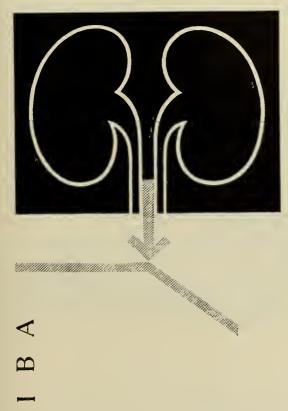
Mr. K. J. RUMBOLD, M.P.S., 15 Albert Square, Great Yarmouth, Norfolk, left £2,058 (£1,985 net).

### C. & D. WEEKLY LIST OF PRICES

A=Advanced; R-Reduced; 1.R.P. = Inclusive Retail Price; \*=Tax 30 per cent.; #=Tax 60 per cent.

re-rediminately re-re-re-re-re-re-re-re-re-re-re-re-re-r	
BRITISH ALKALOIDS, LTD. (Iron March 2)	soap* 3 11 3
Doz. I.R.P.	faee powder: 12 6
1.C.P. ointment* small 16 6 2 3 A	crème de beauté‡ 10 6
	" Flatterie " perfume‡
CALMIC, LTD. (from March 1)	flaeon d'or 35 9
Drapolene ergan 2 oz 2 8 4 0 R	½ oz. 63 9
Drapolene eream 2 oz. 2 8 4 0 R	1 oz. 95 9
D, & W. GIBBS, LTD, (from February 23)	ean de Cologne‡ 2 oz. 18 6
Astral soap* toilet size 11 A	4 oz. 31 9
bath size 1 6 A	BURROUGHS WELLCOME & CO.
SAVILLE PERFUMERY CO., LTD.	Each
June, Mischief, Seventh Doz.	Pipadone tablets 50 15 0
Heaven, Tutu perfumes‡ 22 10 4 0 A	250 72 0
ricaven, Tutu perfumest 22 to 7 0 11	
P.A.T.A. LIST	COTY (ENGLAND), LTD.
(Alterations notified this week by the Proprietary	Coty "Instant Cleanser "‡ 8 6
Articles Trade Associational	CUPAL, LTD.
ELI LILLY & CO., LTD. (from February 12)	Astral floral room spray 2 6
Folic acid tablets	iunior air freshener
5 mgm. 25 26 0 3 3 R	junor an tresiener
100 82 0 10 3 R	HIGHGATE OPTICAL MFG. CO., LID.
1,000 720 0 <b>90 0</b> R	Carl Zeiss Jena Werra
ADDITIONS TO THE LIST	eamera* 399 0
NEW ERA LABORATORIES, LTD.	
New Era biochemic tissue salts*:	ILFORD, LID. Sportslite flash unit* 39 9
standard 34 0 5 2	Sportslite flash unit* 39 9
family 60 0 9 0	KODAK, LTD.
travelling set 170 0 25 6	Brownie movie camera* 376 5
refill 12 0 1 10	ease* 35 10
A THE RESERVE AND THE CITY	Retinette 1 camera* 442 2
NEW PRODUCTS AND PACKS	ease* 62 9
ABBEY PARFUMERIE CO., LTD.	RADIOL CHEMICALS, LTD.
Houbigant "Quelques	Radian bath salts‡ 7 lb. 16 3 31 5
Fleurs," "Chantilly"	
perfumes‡ handbag size 28 0	ROCHE PRODUCTS, LTD,
flacon d'or 35 9	Madribon tablets 0.5 gm.
½ OZ. 45 0 1 OZ 89 3	10 <b>8 0</b> 50 <b>33 0</b>
1 00.	50 33 <b>0</b> 250 142 <b>0</b>
2 oz, 135 9 "Ouelques Fleurs" and	250 142 0
" Chantilly " eau de	JOHN WYETH & BRO., LTD.
	Doz.
Cologne‡ 2 oz. 17 6 4 oz. 30 0	Sparine suspension 115 mils 102 0 11 4
" Quelques Fleurs "	Each
taleumi 12 6	1 litre 60 0 80 0
taicum, 12 0	





The most potent diuretic

Fully active orally

# Esidrex

### For oedema and hypertension

Well tolerated (non-mercurial).
Suitable for all grades of oedema.
Largely supersedes injections.
Antihypertensive effect.

The dosage range of Esidrex is usually 1-4 tablets (25 to 100mg.) daily taken in 2 doses, after breakfast and after lunch.

A card giving full details of dosage is available on request.

Tablets containing 25 mg. 6-chloro-7-sulphamyl-3,4-dihydro-1,2,4-benzothiadiazine-1,1-dioxide (hydrochlorothiazide) in bottles of 25 (13s. 0d.), 100 (49s. 0d.) and 500 (240s. 0d.) Prices subject to a retail discount of 33\frac{1}{3}%. P.T. extra.

Esidrex is hydrochlorothiazide, a product of CIBA Research.

# Influenza

is creating increased demand for ...

# BIOMYDRIN-

the complete nasal spray. Biomydrin is being widely prescribed during the present high incidence of upper respiratory tract infections.

# VEGANIN-

the quick-acting analgesic, antipyretic tablet gives speedy relief from the symptoms of influenza. Display and recommend Veganin for repeat sales.

# CHECK YOUR STOCKS OF BIOMYDRIN AND VEGANIN NOW



Wm. R. Warner & Company Limited, Eastleigh, Hampshire



For detailed price list apply direct to:

THERMOS LIMITED . SEYMOUR ROAD . LEYTON . LONDON E.10 

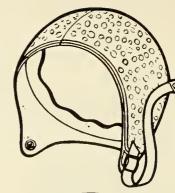


### TRIDENT

The Trident is attractive yet businesslike—doing the job it was made to do without fuss. It is really comfortable, the ear pieces protecting the

ears from pressure and the suction cups gently but firmly keeping the water out. Each cap is in an individual display pack with film window, packed 12 to a display.

6/6d Retail



### SEAL

The inner flange forms an air pocket, keeping the hair completely dry. Each cap in individual sleeve, packed 12 to a display box.

4/9d Retail

### PENGUIN FLORAL

A thin, stretchy, watertight cap with fashionable floral decorations at a popular price. Each cap in polythene bag.

7/9d Retail

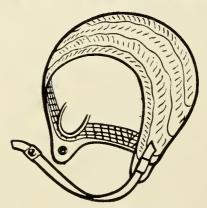
## FOR 1959 CHOOSE

### FROM THE RANGE OF 'SUBMARINE' SWIMMING CAPS

Again heavily advertised in the National Press. The Submarine range of swimming caps is comprehensive. The prices and styles meet all needs, the quality is consistent and the rubber used is high grade and compounded to give maximum elasticity with long life. All caps are thin, making them easy to put on, light weight and comfortable.

The brand name "SUBMARINE" is your guarantee of quality, backed by first-class service.

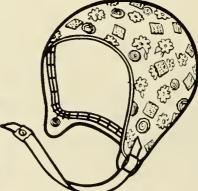
2/11d — 7/9d



### PENGUIN

A most popular and efficient swimming cap.
Each cap in a polythene bag.
Twelve to a display carton. The strapless model will be much in demand.

3/6d Retail



### STANDARD AND CLIPPER

Now fitted with water-excluding ridges, Packed twelve caps to a box.

2/11d Retail



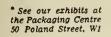
### SUBMARINE HOT WATER BOTTLES

A complete range at compe live prices—with metal or rubber stoppers. Every bottle fully guaranteed.



W. W. HAFFENDEN LIMITED . RICHBOROUGH RUBBER WORKS . SANDWICH . KENT

Telephone: Sandwich 3381/2









### WHAT DO YOU KNOW?

- "Now, Mr. Packer. Kindly define the word
- "Drum" as applied to modern packaging."
- "Er! Well sir, er-"
- "Come, come Mr. Packer, don't stand there dithering. What does the word "Drum" suggest to you when used as a noun?"
- "A 'Little John'Drum sir."
- " Of course. And what else do you associate with 'Little John 'Drums ?"
- "Robinsons of Chesterfield sir, because no other firm makes them."
- "Precisely! Or to be more explicit—although other firms have tried, none has discovered the unique process necessary to form the round beaded lip into which the "snap-in" closure fits so cleverly."
- "Little John" Drums are made in sizes up to 3" in diameter for holding sweets, bread crumbs. twist-drills, fish hooks, pills, etc. Available also with perforated cap for dredging pepper, salt and powders.





### Robinsons of

of Chesterfield

ROBINSON AND SONS LIMITED WHEAT BRIDGE MILLS CHESTERFIELD

Telegrams: "Boxes" Chesterfield. Telephone: 2105, 8 lines

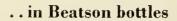


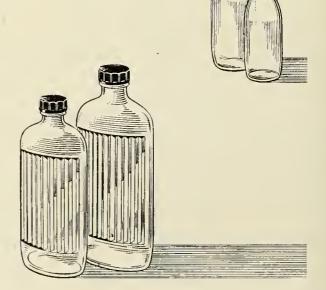
### Pack to Attract

The discerning Pharmaeist demands a container which combines attractive appearance with sound functional design. Beatson Bottles are produced especially to satisfy both these requirements—they look well, store well, handle well, pour well— Beatson Medicals, Panels, Ribbed Ovals. Emulsions, Tablets. Olive Oils, Poisons, Winehesters and, in faet, every bottle used in Pharmacy is the better for being "BEATSON."











BEATSON, CLARK & CO. LTD.

GLASS BOTTLE MANUFACTURERS

ROTHERHAM Established 1751 YORKS

# THE S.A. 59 SUNLAMP PASSES THE 'OZONE-SUNTAN' TEST +

The curative Ultra Violet rays are contained in a waveband with OZONE RAYS as upper limit and SUN TAN rays as lower limit. These radiations thus provide a means of testing for FULL WAVE BAND radiation made possible by the filterless high pressure quartz tube generator.

FULL OZONISING RAYS RADIATION GERMICIDAL RAYS Ultra OF **Violet** VITAMISING RAYS BENEFICIAL SUNTAN RAYS ULTRA VIOLET Infra Red DEEP PENETRATION OF

RETAIL SELLING PRICE

£15-15-0

Medical Certificate required

The standard Actinea is also still available and sells at £12-12-0 No Tax

TECHNICAL LITERATURE DISPLAY MATERIAL and LEAFLETS\_available on request.

ORDERINOW FOR THE PEAK SELLING PERIOD.

PAIN RELIEVING INFRA RED

THE PERIHEL

ACTI

LAMP INFRA-RED HEALTH

PERIHEL LIMITED 146 NEW CAVENDISH STREET, LONDON, W.I. LANgham 2411

(Member of the K. G. (Holdings) Ltd. Group of Componies)

### BARNET COMBS WITH PERMANENT BONUS

in the new "MAGNUM" cabinet giving

you a complete range of Guaranteed

combs in one compact unit

# with REE BONUS DOZEN

The most profitable way to buy combs, the quickest way to sell, the easiest on your counter space — this handsome BARNET Bonus Dispenser shows you an overall 57½% profit mark-up. All guaranteed combs:— 6 dozen assorted Barnet Nylon and 6 dozen Barlon, it includes 2 dozen of each in well finished cases. Every cabinet comes with Free Bonus of 1 dozen Barlon pocket combs. *This bonus is permanent*.

ask your wholesaler for full details-



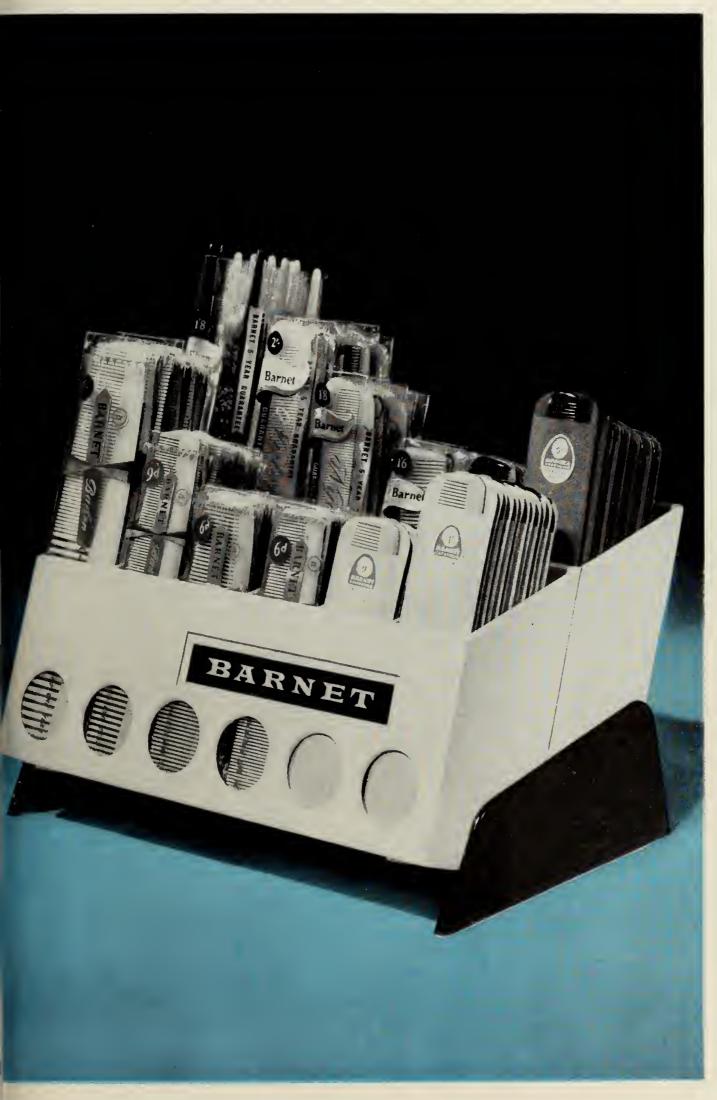
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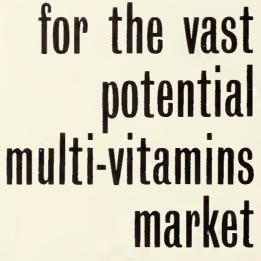
E. R. HOLLOWAY SALES LTD.

Bessemer Rd., Welwyn Garden City, Herts. Tel: Welwyn Garden 4444 The R30 BARNET "MAGNUM"

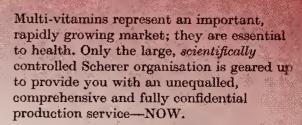
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Barnet combs all individually priced





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can provide
the complete
capsule service
you demand



### LABORATORY CONTROL Scherer's Triple Guarantee

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2. All mixes analysed before encapsulation.

3. All capsules analysed before despatch and protocols available on request.

### PROTECTION

Hermetic sealing ensures the perfect, permanent protection, essential with many vitamins.

### YOUR SAFEGUARD

Thousands, or millions, of gelatin capsules can be produced completely to your formula—in colours and shapes exclusive to you.

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Fill tolerance to within 1%.

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The Scherer service means no capital outlay on your part; you supply your formula, and the encapsuled products, guaranteed, will be delivered to you complete—even strip packed if you wish.

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can encapsulate most pharmaceuticalsplease ask for details

R. P. SCHERER, Ltd., 216-222 BATH ROAD, SLOUGH, BUCKS. 'Phone: SLOUGH 21241.

# Which single Barrier Cream...

lets her do dry grimy jobs like this...



and wet messy jobs like this...



yet keeps her hands looking like this...



and sends her back for repeat sales like this?



Yes, of course -

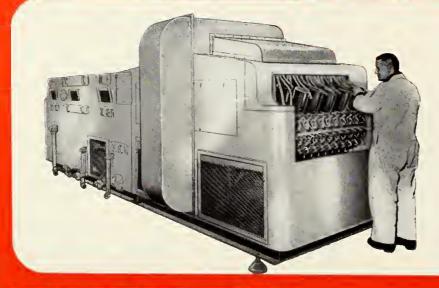
Savlon 2-Purpose Barrier CREAM



Advertised in current Press and I.T.V. campaigns

Ph817/T

# what's in a bottle?



Designed specially for Chemists' bottles yet suitable for all trades, Powleys SPARTAN" Hydro Bottle Washer-Dryers give outputs ranging from 2160 bottles per hour, and take up very small floor space. Whatever has been in your bottles SPARTAN" washes and

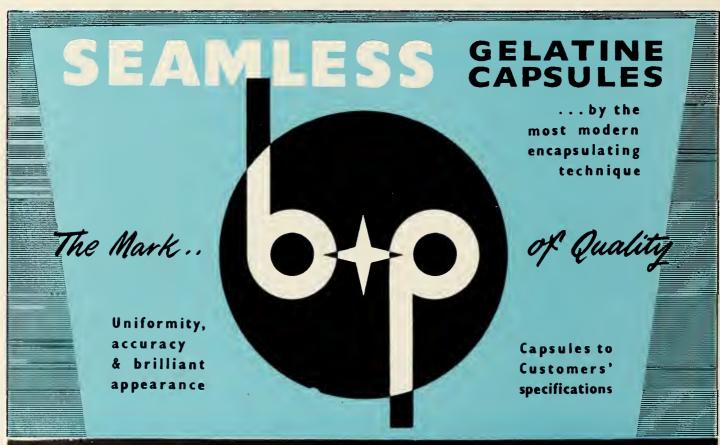
dries sparkling clean.

Spartan

HYDRO BOTTLE WASHING & DRYING MACHINES

R. POWLEY & SONS LIMITED, ST. MARK'S ROAD, SUNDERLAND, ENGLAND

Telegrams and Cables Powley Sunderland



B. & P. LABORATORIES LTD.

Manufacturers of Seamless Gelatine Capsules

9 PACKINGTON ROAD, ACTON, LONDON, W.3 Tel: ACOrn 6771

Head Office:-ROYAL LONDON HOUSE,
FINSBURY SQ., LONDON, E.C.2. Tel. MET. 0414/9



No matter where you are in Great Britain and Northern Ireland throughout 1959 you'll get the strongest advertising backing for Bubbly Stergene right to the point of

Heavily concentrated regional advertising on Television or in your local papers will appear for one month . . .

RTH OF ENGLAND · SCOTLAND IRELAND · MARCH 14-APRIL 7

> \* backed by large space all year round advertising in colour and black and white in National Press and Women's Periodicals.

\* backed by specially designed point of purchase display material.

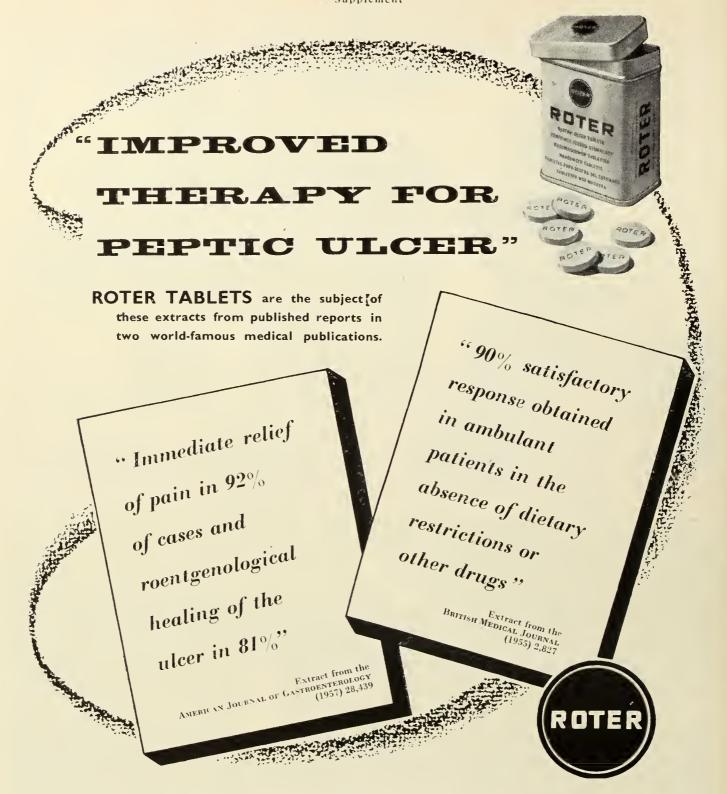
BE READY-stock now!

Bubbly That's sales support by Stergene Family size 2/-plus 2d. return-able on bottle.

STERGENE IS A PRODUCT OF DOMESTOS LIMITED, NEWCASTLE UPON TYNE



WHG/S33



PACKINGS: Retail Prices including P.T., Trial size 40 tablets 7 5d., Standard size 120 tablets 21/3d. Full treatment size 640 tablets 106/6.; Dispensing packs 720 tablets, P.T. exempt.

Obtainable from your usual wholesaler.

ROTER Tablets are not advertised to the public, and may be prescribed on E.C.10 forms. Literature and samples on request.

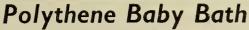
F.A.I.R. LABORATORIES LTD., TWICKENHAM, MIDDLESEX

Another happy event in

# HALEX

nursery ware





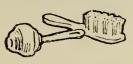
with all the features Mothers look for:—

Smooth, rigid and safe Unbreakable

Cannot chip or rust Easy to clean without abrasives Folding wooden stand to match Colours: White, pink or blue

Retail Price 60/-, complete with stand.

YET ANOTHER IN THE FAST-SELLING FAMILY OF HALEX NURSERY WARE



TOILET SETS





FEEDING BOWLS



MUGS



TRAINING SEAT

Order now through your usual wholesaler

# IDEAS BEGIN WITH BORON

# A shining face for modern building

A clean, permanent and colourful finish to the outside as well as the inside of buildings is an attractive prospect in architecture. It is provided by the use of 'curtain walls' of vitreous enamelled steel, which require less space than load-bearing walls, resist the elements better and cost far less to erect. In the production of tenacious and gleaming enamels for every purpose, borax is a vital ingredient. This contribution to building economy and progress is another new idea that is made possible by the use of this familiar product. In nuclear research, in new synthetic materials, and in rocket fuels, as well as in established fields of industry and pharmacy, the varied properties of boron compounds give rise to many new possibilities for progress.

### BORON IN PHARMACEUTICALS

In the pharmaceutical industry, boric acid has long been acknowledged as one of the safest and gentlest antiseptics available, and is used in many modern talc preparations. In ointments, dressings, eye lotions and similar products, boric acid maintains and extends its traditional place on the pharmacist's shelf.

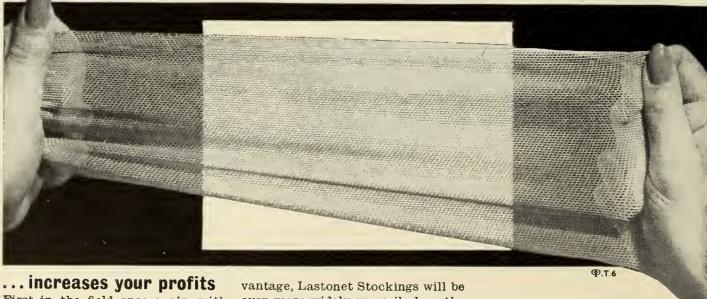
For further information on Boron and its compounds, write to:

# BORAX CONSOLIDATED

BORAX HOUSE · CARLISLE PLACE · LONDON SW1 TELEPHONE: VICTORIA 9070



light-resistant stocking



First in the field once again, with improvements in surgical stockings, Lastonet now introduce light-resistant rubber into their elastic net. Because this largely prevents the deterioration caused to rubber by exposure to light, it enhances the efficiency and lengthens the life of Lastonet Elastic New Stockings. With this added adeven more widely prescribed on the NHS, so your profits must increase.

No stock problems with Lastonet Stockings! No risk. Every stocking is individually made to the patient's measure. Quick delivery and an excellent profit margin are assured. Send today for measurement forms and Display Material.

**ELASTIC NET STOCKINGS** Nylon or cotton

LASTONET PRODUCTS LTD. CARN BREA, REDRUTH, CORNWALL

# Without doubt . . .

# a most effective lozenge

# STREPSILS antiseptic lozenges

# the success story of the year

The unique properties of Strepsils have quickly been appreciated by members of the Medical Profession. The demand is increasing daily.

Strepsils are both efficient and pleasant to take—they are non-toxic, and contain no antibiotics or local anæsthetics. They are lethal to nearly all common pathogens found in the mouth including gram-positive and gram-negative bacteria and fungi.

Introduction to the Medical Profession will be continued during the coming months and an even greater demand for this product is confidently anticipated.

Order Strepsils now to meet this ever increasing demand and ensure that you are not left out of the

# STREPSILS SUCCESS STORY



Strepsils Retail Price 2/6 for 24 Lozenges. (Including Purchase Tax)

Available from your usual Wholesaler or from the Wholesale Division of BOOTS PURE DRUG COMPANY LIMITED · NOTTINGHAM · ENGLAND Telephone: Nottingham 56111 or 71 FLEET STREET, E.C.4, Telephone: FLEet St. 0111



# ALUMINIUM GLYCINATE ("D.A.A.")

of pharmaceutical purity

Aluminium glycinate finds increasing favour as a safe and reliable buffer antacid in gastroenterology.

C. L. Bencard Ltd. are foremost producers of this compound and can offer any quantity at competitive prices.

Manufactured by the Fine Chemicals Division of

# C. L. BENCARD LTD.

PARK ROYAL, LONDON, N.W.10

Telephone: ELGar 6681 Telegrams: Bencarlond, London



# "I always feel better when you're here, Doctor."

# "All the same I'm putting you on CANOVEL—

# the new vitamin-mineral supplement."

For Oral Administration. Canovel is a compound vitaminmineral supplement specially prepared for oral administration to dogs of all breeds and ages. It contains the naturally occurring vitamins and mineral salts of wheat germ, liver and yeast; vitamins A, D<sub>3</sub> and E; the essential members of the B complex; and calcium, phosphorus and trace elements.

Canovel is an excellent general tonic. It helps to keep a dog in first-class condition throughout all stages of its life. It is of particular value for the following conditions; debilitating diseases and convalescence; non-specific dermatoses; poor appetite; pregnancy and lactation; and during periods of rapid growth in puppies. For at such times a dog's vitamin-mineral requirements cannot be fully met by its standard food.

## In tins of 120 tablets · Dispensing pack of 800 tablets.

For further details and a full list of preparations, write to



VITAMINS LIMITED

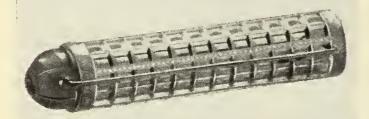
(VETERINARY DIVISION), UPPER MALL, LONDON, W.6.

# Vitamin Products for Veterinary Practice

Tablets of ascorbic acid, B.P.
Injection of ascorbic acid, B.P.
Tablets of vitamin B complex
Injection of vitamin B complex
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Injection of aneurine hydrochloride, B.P.
Injection of vitamin B<sub>12</sub>
Tablets of nicotinic acid, B.P.
Injection of nicotinic acid, B.P.
Injection of pyridoxine hydrochloride, B.P.C.
Injection of pyridoxine hydrochloride, B.P.C.
Tablets of vitamin E
Tablets of vitamin K

# **NOVELTY HAIR ROLLERS**

or CURL FOUNDATIONS
"FABULO" BRAND



The world's best and cheapest UNBREAKABLE (polythene) HAIR ROLLER or CURLER in 2 sizes for professional use by Hairdressers, for use with Home Perms or simply by damping the hair.

Size l=7 in Cellophane packet (very attractive) 3" long Size 2=5 , , , , , , ,  $3\frac{1}{2}$ ",

Price 15/10 per doz. packets of either size +30% P.T. Min. Retail Price 2/6 per packet of either size.

### Samples on request

Supplies obtainable through the wholesale trade or direct from:

HAETAM LTD., 63 Corporation St. Manchester 4

Est. 1921 Telephone : Blackfriars 3882

Wholesalers who do not yet stock these renowned Curlers please contact us for trade terms.

Export enquiries welcome—Special prices & terms will be allowed

# VITAMIN D3

# PURE CRYSTALLINE D3

# FINE CHEMICALS

Manufacturers:

**PEBOC** 

LIMITED

Sales Office:
629/630 TOWER BUILDING

LIVERPOOL, 3, ENGLAND

Laboratories:
NORTHOLT, MIDDLESEX

# A Soap for Two Markets

The customer who wants a mildly medicated soap; and the customer who likes a top-quality toilet soap; you will sell Cuticura to both. Only Cuticura Soap has this happy combination. Superfatted to give a rich, fragrant lather, it is also—like Cuticura Talcum and Shaving Stick, those other best-sellers—mildly medicated to give skin health. It pays to display and recommend

# **Cuticura Soap**

also

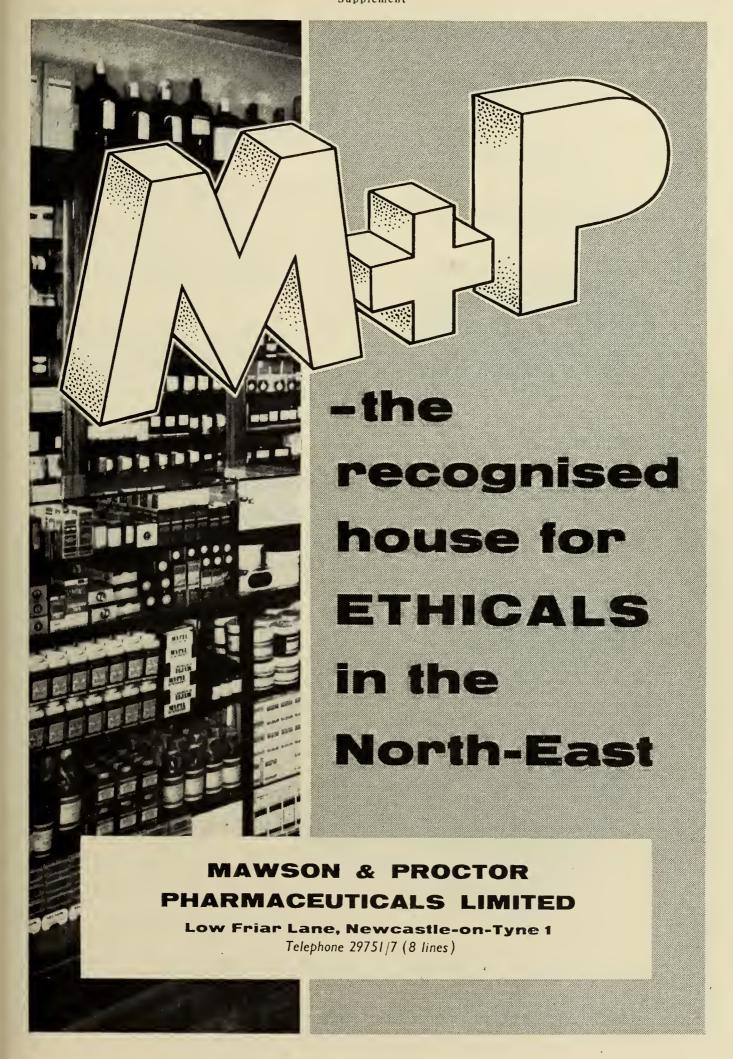
TALCUM POWDER • OINTMENT
HANDCREAM • MEDICATED LIQUID
SHAVING STICK



Retail per doz.
CAMTHOL LINCTUS 3/- per bott. inc, P.T. Cost 27/6
CAMTHOL PASTILLES 1/9 per tin inc. P.T. Cost 14/111
CAMTHOL VAPOUR RUB 1/9 per jar inc. P.T. Cost 14/111

B. HOOPER & CO. LTD.

6 RAILWAY PLACE, FENCHURCH STREET, LONDON, E.C.3



# ..a new and acceptable contraceptive



# FOAMING TABLETS

Developed as the result of investigations in the B.D.H. Laboratories and issued after extensive clinical trials had confirmed their acceptability.

Included in the list of contraceptives approved by the Family Planning Association.

Cartons of twelve tablets (each tablet individually sealed in metallic foil)—trade 1/10d., retail 2/9d.

(BDH) THE BRITISH DRUG HOUSES LTD. LONDON N.1



# NUCTA CREAM SHAMPOO

(WITH LANOLIN)

# NUCTA EGG AND LEMON SHAMPOO

NOW IN THE POPULAR PLASTIC TUB TO SELL AT

Sufficient for two or three shampoos

TRADE PRICE 6/8 DOZEN YOUR WHOLESALER OR FROM DIRECT FROM

DUNLOP STEWART, GOODALL STREET EDINBURGH PRINCES

# Announcing



# products

For relief of cough

# Distolyt

antitussive tablets

Each sugar-coated tablet contains:

CHLORCYCLIZINE HYDROCHLORIDE 10 mg. GUAIACOL GLYCERYL ETHER 100 mg.

- \* in tablet form for ready administration when coughs embarrass
- \* chlorcyclizine minimises nasal congestion and suppresses persistent cough
- \* guaiacol glyceryl ether promotes freer expectoration and reduces useless irritating cough

### **PACKS**

	TRADE PRICE	P. TAX	RETAIL PRICE (INC. P. TAX)
Tube of 24	3/-	11d	5/5d
Bottle of 100	9/-	2/9d	16/3d
	S4 POIS	SON	

For throat infections

# Zynocin

antiseptic and

sore throat lozenges

Each pleasantly-flavoured lozenge contains:

XANTHOCILLIN 1 mg. BENZOCAINE 5 mg.

- \* contains xanthocillin, the new potent antibiotic, effective against gram-positive and gram-negative organisms
- \* inhibits secondary yeast and fungal activity; no evidence of cross-resistance
- \* promptly relieves local soreness and pain; non-irritant and safe for all ages

### **PACK**

T ALCIE				
	TRADE PRICE	P. TAX	RETAIL PRICE	
Tube of 12	2/6d	_	3/9d	



# THE DISTILLERS COMPANY (Biochemicals) LIMITED

BROADWAY HOUSE, THE BROADWAY, WIMBLEDON, LONDON S.W.19. TELEPHONE LIBERTY 6600

owners of the trademarks 'Distolyt' & 'Zynocin'



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# ORRIDGE & COMPANY

184 STRAND. W.C.2 Tel: TEMple Bar 9212/3 & 6340

CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF

# PREMISES TO LET

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## **BUSINESSES FOR DISPOSAL**

BRANCH PHARMACY in Edinburgh for sale. Turnover approx. £10,000 (without optics). Assessed rental £90, Price for property, fittings (including fully-equipped optical room) and goodwill £5,000 or offers. Stock at valuation (approx. £1,500), Financial assistance may be arranged. Reply to Box C 2059.

DRUG STORE, suit progressive chemist, exceptional opportunity. Quick sale desired. Good position, living accommodation, long lease. Budden, 64 Park Street, Luton. C 2057

### **APPOINTMENTS**

# BECKENHAM HOSPITAL,

CROYDON ROAD,
BECKENHAM, KENT
Pharmacist
required March 1. Permanent post, One other
employed. Whitley Council salary and conditions of service. Apply, stating qualifications
and experience, and naming two referees, to
Hospital Secretary. C 8934

# BROOKWOOD HOSPITAL, KNAPHILL, WOKING Assistant-in-Dispensing

Applications are invited for the above post. The successful candidate will be required to work under the supervision of the Chief Pharmacist, who is responsible for the preparation and issue of drugs and dressings for about 1,750 patients.

1,750 patients.
Salary Scale £170 p.a. at age 16 years rising to £375 at age 22 years or over rising to a maximum of £490 p.a. (plus £20 p.a. for an approved qualification).
Professional and Technical Council B of Whithey Council conditions apply to the appointment which is subject to the provision of the National Health Service Superannuation Regulations lations

The successful candidate will be required to pass a medical examination.

Accommodation available for female candidate for which a charge of £2 8s per week will be made

Applications giving particulars of age, experience and qualifications, together with names of two referees to the Physician Superintendent, as soon as possible.

### COUNTY HOSPITAL, LINCOLN

Senior Pharmacist

Applications are invited for this appointment at the above acree general Hospital. Salary according to Whit'ey Council scales, Please apply to the Secretary, naming two referees. C 8953

### CRUMPSALL HOSPITAL, **MANCHESTER, 8**

Senior Pharmacist
Anplications are invited for the above post.
Whitley Council conditions of service, Applications stating age and experience together with the names and addresses of two referees to be forwarded to the Hospital Administrator, Dept, C.D., as soon as possible.

C 8927

# FINCHLEY MEMORIAL HOSPITAL, GRANVILLE ROAD

NORTH FINCHLEY, N.12

Part-time Pharmacist
equired, Approximately 30 hours weekly. Experienced Assistant-in-Dispensing would be considered. Whitley Council salary, Apply to Econical Secretary. C 441 Hospital Secretary.

HAREFIELD AND NORTHWOOD GROUP HOSPITAL
MANAGEMENT COMMITTEE
Chief Pharmacist (Category II)
required for Harrow and Wembley Hospitals.
Total bed complement 254. Salary Scale £755 to £1,030 plus London Weighting allowance.
Apply with names and addresses of two referees to Group Secretary, Mount Vernon Hospital, Northwood, Middlesex, by February 28, 1959.
C 8933

# MAYDAY HOSPITAL

(Category IV)
Senior Pharmacist
Modern department. Good working conditions.
Opportunity to secure wide experience in Hospital Pharmacy work, Mayday Hospital (General Actue, 595 beds) is linked for Pharmacy control with a Geriatric Unit (410 beds) and a busy Fye Clinic Whitley Council rates of pay busy Eye Clinie, Whitley Council rates of pay. Application form obtainable from the underbusy Eye Clinie signed.

General Hospital, GEOI London Road, Croydon. GEORGE A, PAINES, ydon. Group Secretary. C 8937

# METROPOLITAN HOSPITAL, KINGSLAND ROAD, LONDON, E.8 Pharmacist

for modern department, Permanent post, Salary scale £605-£815 p.a. plus higher qualification allowance and London Weighting. Please apply with details of age, training and experience the Hospital Secretary.

### KING EDWARD VII HOSPITAL, WINDSOR

(Category III Hospital) Pharmacist

required immediately. Whitley salary, Applications with details of service and names of three referees to Secretary.

C 8932

# NOTTINGHAM No. 2 HOSPITAL MANAGEMENT COMMITTEE, NOTTINGHAM CITY HOSPITAL

(811 beds)

Deputy Chief Pharmacist (Category V)

Required at the above hospital. Applications are invited for the above post, which is now

are invited for the above post, which is now vacant. The City Hospital is a Group hospital and caters for the pharmaceutical requirements of a number of subsidiary hospitals in the area. Applicants should have a wide experience in hospital pharmacy, and be capable of controlling staff. A knowledge of surgical instruments is desirable. The successful applicant will work under the Group Chief Pharmacist and will be required to assume complete control in his absence. absence.

absence. Further particulars regarding the post can be obtained on application to the Group Chief Pharmacist. Whitley conditions of salary. Applications, stating age, qualifications and full particulars of previous experience, together with the names of two referees, should be sent to the Group Secretary, Sherwood Hospital, Nottingham, as soon as possible. C 8920

# QUEEN'S HOSPITAI (Geriatric Unit—410 beds) Pharmacist (part-time)

24 hours weekly. Pharmacy is linked with that of Mayday Hospital and under control of Chief Pharmacist of that Hospital. Canteen on Hospital premises, Whitley Council Salary Scales. Application Form available from the undersigned

GEORGE A. PAINES General Hospital, Group Secretary, London Road, Croydon. C 8918

# SHREWSBURY HOSPITAL

SHREWSDON GROUP
Pharmacist
For Copthorne Hospital
Pharmacist
For the Group Pharmaey at the Royal Salop
Infirmary, with rota duties at other hospitals in
the Group, as may be required.
Salary in accordance with Pharmaceutical
Whitley Council scale.
Applications to the undersigned from whom
any further particulars may be obtained,
J. P. MALLETT,
Group Secretary.
C 8938

# ERNEST J. GEORGE & CO.

329 HIGH HOLBORN, LONDON, W.C.1.

Telephone: HOLBORN 7406/7

Professional Valuers to the Pharmaceutical Trade.—Wholesale, Retail and Hospital Stocks. Branches throughout England and Scotland.

### Appointments—Continued

# PINEWOOD HOSPITAL

NINE MILE RIDE, WOKINGHAM
Locum Chief Pharmaeist
required from March 16 to 21 inclusive. Salary
£16 16s. per week less accommodation charge.
Applications to Secretary. C 8919

REDHILL COUNTY HOSPITAL,
REDHILL, SURREY
Pharmacist (Male or Female)
required in new department at Redhill County
Hospital, Earlswood Common, Redhill, Surrey,
Post now vacant, Experience can be given in
manufacturing sterile preparations, Applications in writing giving two referees and detailing experience to Deputy Group Secretary,
at above address.

C 8952

SELLY OAK HOSPITAL,
BIRMINGHAM, 29
Deputy Chief Pharmacist and Pharmacist required as soon as possible, Duties of Deputy include supervision of department and sterile production. Salary scales—Deputy Chief Pharmacist, £755—£1,030; Pharmacist, £605—£815. State particulars, naming two referees, in application to Administrator.

C 8929

STOCKPORT AND BUXTON
HOSPITAL MANAGEMENT
COMMITTEE,
STOCKPORT INFIRMARY
Pharmacist or Senior Pharmacist
There is a vacancy for the above post at Stockport Infirmary. This post offers good experience in a busy department,
Applications, with full particulars and the names of two referees, to be forwarded to the Group Secretary, Stockport and Buxton
H.M.C., 59B Shaw Heath, Stockport. C 8935
WHITTINGTON HOSPITAL.

# WHITTINGTON HOSPITAL, LONDON, N.19 Pharmaeist

required in Department of seven including clerk, Salary £635—£845. Candidates may visit the department by direct arrangement with the Med.cal Superintendent, (ARChway 3070 Ext:

Applications, stating age, qualifications, experience and naming two referees to Medical Superintendent, within ten days.

C 8906

WHITECROFT HOSPITAL,
NEWPORT, I.W.
Chief Pharmacist (Category I)
required at Whitecroft Hospital, Newport, I.W.
The hospital comprises 380 male and female psychiatric beds, but a new unit of 75 beds is in course of construction.
Salary scale £700—£945 per annum. Conditions of service in accordance with National Health Service regulations.

of service in accordance with National Health Service regulations.

Applications, with names of two referees, to be sent to the Group Sceretary, I.W. Group Hospital Management Committee, Clatterford House, Carisbrooke, Newport, I.W., not later than March 2, 1959.

C 8959

# WINWICK AND NEWCHURCH HOSPITAL MANAGEMENT COMMITTEE

COMMITTEE
Senior Pharmacist
Applications are invited for the above post in
The Group Pharmaceutical Department at Winwick Hospital (2,305 bcds),
Salary £675 x £30 (1) x £35 (1) x £30 (3) x
£35 (1)—£865.
Applications giving date of birth, full particulars
regarding qualifications, and experience together
with names and addresses of two referees
should be forwarded to the Secretary (Ref.
/116), Winyick Hospital, Warrington, C 8891

### **EDUCATIONAL**

LONDON COLLEGE OF PHARMACY AND CHEMISTRY FOR WOMEN

7 Westbourne Park Road, W.2 Established 1892

The only College in S.E. England teaching exclusively for the Assistants-in-Dispensing Examination of the Society of Apothecaries. Enrolling now for six months' full-time or 2-year part-time course for Student Dispensers under 1956 Regulations, 100 per cent, Examination successes in 1958.

# HEALTH CENTRE **APPOINTMENTS**

# HEALTH CENTRE,

HEALTH CENTRE, SIGHTHILL, EDINBURGH
Pharmaeist

Applications are invited for the post of Pharmacist at the above Health Centre, which will become vacant on May 1, 1959. The salary will be in accordance with the revised Whitley Council scale—£605 rising to £815 per annum. The appointment will be subject to the Whitley Council conditions of service and and National Health Service (Scotland) (Superannuation) Regulations, Canvassing disqualifies, For further particulars and form of application apply to the Clerk, Edinburgh Executive Council, "Drumsheugh House," 37A Drumsheugh Gardens, Edinburgh, 3, with whom applications should be lodged within ten days of the appearance of this advertisement. Envelopes should be marked "Pharmacist"—Health Centre. C 8943

### **DIRECTORS: PARTNERS**

### WHAT IS MARKETING?

The modern definition is:

" everything that relates to the process of selling a product from its conception, through planning, styling and production, to its sales promotion and ultimate purchase by the consumer."

THIS has been the sphere of my activities during the last decade. Having in two successive five-year periods successfully pioneered and established two now fully pioneered and established two now well-known consumer products at home and overseas, acting for the two respective manutacturers full-time on a retainer/commission basis, I wish to devote my time to a product or products with adequate scope for development, preferably in the chemist and/or hardware trades, I would consider:

(a) joining forces with anyone wishing

- (a) joining forces with anyone wishing to launch a new product, on a
- to launch a new product, on a profit-sharing basis. joining existing organisation as sales director with provision for profit participation, taking charge of marketing in an expanding company which provides remuneration basis related to sales with a long-term association in mind

mind. Write Box C 2039.

# SITUATIONS VACANT **RETAIL HOME**

JOHN DENT (Chemists), Ltd., of 79 New Square, Chesterfield, will require a Pharmacist in July to manage their branch shop, situated in a pleasant suburb of Chesterfield within easy reach of the country and the Derbyshire moors. A bonus and pension scheme are in operation and every assistance will be given to acquire accommodation. Please state salary required; accommodation. Please state salar, there is no Sunday, holiday or rota duty, C 2023

LADY assistant required with good, wide experience of counter work, and some knowledge of dispensing. Salary £10 per week, Full particulars in first letter, please. M. R. Parry, 42 Peckham Road, S.E.5. C 2032

METCALFE & CO. (L'POOL), LTD., require pharmacist/manager for branch shop at Ditton, Widnes. Salary £1,040 per annum for 44-hour week. Three-bedroom flat available. Write Managing Director, Metcalfe & Co. (L'pool), Ltd., 596 Prescot Road, Liverpool, 13. C 2012

RELIEF MANAGER required for the period June 1 to September 26, for branches in East Londón. All are fully staffed, including dispensing ass.stants. Generous salary and expenses. Apply Superintendent Chemist, 17/19 Freemasons Road, E.16, or telephone Albert C 2046

STAMFORD. Pharmacist required as branch manager. This is a modern shop with a busy counter trade but only light dispensing. Present inclusive salary £1,000 per annum. Very attractive self-contained flat available at a reasonable rent. This is a permanent superannuated post. Apply Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough. C 2052 Apply Peterborough Co-opera Ltd., Park Road, Peterborough,

WEST EALING. Experienced lady assistant required for counter and display in good-class pharmacy. Knowledge of cosmetics and general sales. Apply stating age and experience to Bruce G. Carrie, 4 Castle Hill Parade, The Avenue, West Ealing, W.13, C 2058 SUPERINTENDENT GENERAL required for new chemists at Chigwell, Essex. Box C 2047. YOUNG PHARMACIST required to assist in managing and take an active and responsible part in general running of main branch business. A congenial and permanent position. Accommodation could be arranged, Please give full details of experience, age, etc. Skitt's Pharmacies, Ltd., 104 Hill Street, Ramsgate. C 2056

### WHOLESALE

# CHEMIST

Associated Chemical Companies (Sales) Limited (The Sales Company for Brotherton and Company Limited and British Chrome & Chemicals Limited) require the services of a Chemist of Honours Graduate Status for their Technical Service Department, Applicants should be between 25 and 35 years of age and have had several years' experience in the Leather Industry. Please write giving full details of age, education, qualifications and experience to:

Personnel Manager, Brotherton House, Westgate, Leeds 1

C 8931

### EXPORT SALES EXECUTIVE

Applications are invited for a position as Export Sales Executive, Candidates should have had experience in marketshould have had experience in market-ing pharmaceutical specialities overseas and should be not more than 35 years of age. In due course the successful applicant will be expected to visit over-sea markets on behalf of the Com-pany. A non-contributory pension scheme is in operation. Please send brief details, marking the envelope "Strictly Confidential," to:—

The Export Sales Manager,
The Distillers Co. (Biochemicals), Ltd.,
Broadway Honse,
Wimbledon, S.W.19.

C 8956

# JOHNSON & JOHNSON (GT. BRITAIN), LTD. (PERSONAL PRODUCTS DIVISION), invite applications for the appointment

# of LADY SUPERVISOR/SALES TRAINER

The successful applicant must be a sales enthusiast of high intelligence and education, possessing drive and initiative with the ability to lead, train and supervise an existing team of lady representatives. Applicants must have an understanding of the economics of selling, implementation of sales policy and the development of territories. It will be necessary for the applicant to reside in the Midlands or alternatively in the Northern Counties or Scotland.

Scotland.

Scotland.
The situation offers a good salary; a car is provided and all expenses paid. Applications giving details of age, education and experience will be treated in strict confidence and should be sent to the Sales Manager, JOHNSON & JOHNSON (GT. BRITAIN), LTD., PERSONAL PRODUCTS DIVISION, SLOUGH, BUCKS, Applications have been invited from the Sales Force.

C 8948

CONSULTING COSMETIC CHEMIST required in an advisory capacity for formulas on a fee basis, Box C 2053,

EXPERIENCED process worker required for galenical manufacture. Knowledge of still work an advantage, Permanent progressive position. Five-day week, Apply giving full details of age, etc., Works Manager, L.E.C., Drug Division, Glengall Road, Peckham, S.E.15. C 8955

# A CAREER IN I.C.I.

WENTY-ONE years ago eight I.C.I. chemists began a search for new compounds to defeat disease and from that small beginning has come the most up-to-date research establishment in Europe. It was opened at Alderley Park in October 1957 and in these modern laboratories a staff of almost 400 men and women are carrying out fundamental medical and veterinary research with equipment and facilities equal to any in the world.

It is essential that the fruits of their labours be presented to the medical profession by men who not only have the technical knowledge necessary for the job, but also bring with them qualities of integrity in keeping with the standards of the medical profession itself.

I.C.I. is seeking such men to provide the vital link between the Company and the medical profession in London and the South of England, and applicants should be prepared to make their career with the Company until retirement. The terms of service will impose no such obligation on recruits but long service is considered desirable and salaries, pension and profit-sharing schemes, and a high degree of security are all designed to that end.

Men who consider they have the necessary qualifications to represent this Company with the medical profession should address their applications in the first instance to:

### PERSONNEL MANAGER,

# IMPERIAL CHEMICAL INDUSTRIES LIMITED, GLOUCESTER HOUSE,

149, PARK LANE, LONDON, W.1.

C 891

### Situations Vacant—Continued

AN ENERGETIC and capable Sales Representative is required by Macleans Limited, Great West Road, Brentford, Middlesex, to sell well-known, heavily advertised proprietaries to chemists in North-west Wales. This is an opportunity for joining a first-class organisation where a good salary is paid and car and expenses provided, Applicant should be resident in the area. Profit participation and non-contributory pension schemes in operation. Write stating age and experience to Personnel Manager.

C 8942

### FIELD SALES MANAGER

Expanding International Cosmetic Company seeks an experienced Cosmetic Salesman who has attained Area Manager level, The successful candidate will be ambitious, possess hard drive and initiative, He will be required to develop and control a totally new sales force. It is a challenging position that offers excellent future prospects. Car supplied and pension plan in operation, Replies held in strictest confidence. Apply stating full particulars in first letter to Box C 8947.

MANUFACTURERS commercial users now wish to introduce and develop several interesting and new insecticides and weedkillers for the amateur gardener, A new post is open to the man with initiative prepared to advise and to undertake routine visits. All applications treated in strict confidence. Apply to the General Manager, Box C 2041 C 2041.

### EDWARD TAYLOR LIMITED

Manufacturers of Medical Plasters, require a Representative to cover Hospitals and Wholesalers in the Home Counties, North and South of London. Company car provided, Remuneration by salary and expenses.

Applications stating age, experience, and full details of previous employers, which will be treated in confidence, to Sales Manager, Monton, Eceles, Manchester.

C 2040

ORDER CLERKS. The British Drug Houses, Ltd., require Clerks with a sound knowledge of ethical and proprietary medicines for Telephone Order and Pricing work. Applicants should have experience in the Wholesale distribution trade. Five-day week, with occasional Saturday morning overtime, canteen. Apply in writing stating age, experience and salary required to the Staff Manager, Graham Street, City Road, N.1. C 8912

PACKAGING SUPERVISOR (male), required for manufacturing chemists. General experience of conveyors, tablet filling, machine wrapp.ng, etc. Age 25-40. Good prospects, pension scheme, Write stating age, experience and salary required to Works Director, Westminster Laboratories, Ltd., Chalcot Road, N.W.1. C 8949

REPRESENTATIVE required by well-known manufacturers of nationally advertised hair beauty products to call on chemists and stores in the Midlands, Salary, commission and expenses paid and a car is provided. Applicants should live in or near Birmingham and should have experience in calling upon chemists in the area, Write in confidence stating age, experience and present carnings to Dept. C.D., Golden, Ltd., L'Oreal Products, 7 Grosvenor Street, W.I. C 8941

### REPRESENTATIVE

Opportunity for live Salesman calling on chemists to join well-known Company covering South Wales and adjacent area. Applicants should be keen to make a success of our present established accounts, with considerable prospects for extension. Preference will be given to experienced Representative and a knowledge of retail pharmacy is an a knowledge of retail pharmacy is an

advantage, Salary, Commission, Expenses, Car provided, Full particulars in strict confidence to Box C 8957.

STAFFORD ALLEN & SONS, LTD., have a vacancy for a young pharmaeist for development work on new products. The position offers much scope for advancement. Write stating age, experience, etc., to T.S.M., Wharf Road, London, N.I.

C 8946 London, N.I.

# **AGENTS WANTED**

AGENTS WANTED to sell "Brekna" Iodised AGENTS WANTED to sen bless a source of the sen and details to over Great Britain, Application and details to Mr. H. P. Jenkins, The Laurels, Uplands, Penyster of the sen and groes, Nr. Llanelly, Carms.

SOUTH WALES TERRITORY, First-class agent required, Ten per cent. commission only basis. Well-established, progressive company with quality products selling to chemists. All support, including regular national advertising. Box C 8913.

WE REQUIRE well-connected agents calling on retailers, co-ops, and multiples for all areas in Scotland to sell best available range of medicated sweets, 7½ per cent, commission. Please state area covered and other agencies held, in confidence to: Box C 2048.

# SITUATIONS WANTED **RETAIL HOME**

CHEMIST ASSISTANT (Irish) seeks position. Excellent dispenser, Familiar all branches, London experience, Box C 2049.

DISPENSER, female, experienced, do in London area. Apply Box C 2060.

DRUG STORE MANAGER, energetic, fit and cheerful, recently ret.red, requires part-time work, £3 or £4 p.w. Long pharmaceutical experience. 126 Central Avenue, Hounslow, Middlesex, C 2055 dlesex.

MARRIED COUPLE, Irish, seek employment Housekeeper/Cook and unqualified assistant. Retail, wholesale. Wages reasonable; indoor. Retail. Box C 2042.

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Invite applications for the appointment of Professional Services Manager to be located at Speke, Liverpool. Qualification in pharmacy or pharmacology and experience in the pharmaceutical industry are necessary. Responsibilities include answering technical enquiries, training representatives and collaborating with advertising and marketing departments in promotional activities. Salary is attractive and there is a pension scheme in operation. This is a senior appointment offering good reward for capability and initiative.

C 8939

# CIBA.

# MEDICAL REPRESENTATIVES

For the expansion of our representative team applications are invited from young pharmacists. Previous experience is unnecessary as the selected men will be trained. Car provided and full expenses paid.

Progressive salary and pension scheme.

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WILTSHIRE & BERKSHIRE · BIRMINGHAM

Apply in writing with full particulars of age, education, qualifications and experience to:

The Sales Manager,

CIBA LABORATORIES LTD., HORSHAM, SUSSEX

C 8958

### Situations Wanted—Continued

### WHOLESALE

CHEMICAL REPRESENTATIVE, many years experience pharmaceutical specialities, wants position with London or provincial firm near London. Car owner. Also compiling literature, organising medical propaganda considered. Medical background.

DOCTOR experienced business, administration, public relations (technical literature, advertise-ment copy, films, etc.), seeks post with pro-gressive organisation. Part-time, free-lance con-sidered. Box C 2050.

**RESPONSIBLE POSITION,** U.K. or overseas, sought by gentleman, age 39, with successful executive experience of sales, factory and general management in fine chemicals and pharmaceuticals. Box C 2051.

# **AGENCIES WANTED**

EIRE: Production/Distribution/Selling organi-EIRE: Production/Distribution/Selling organisation, part of famous international organisation, is prepared to consider agency for reputable English or American manufacturer desirous of developing the sale of its products to Irish chemists and general wholesalers, Production, accounting, full distribution and selling services available. Highly trained executive, Reply in confidence to: J. Stewart, St. Fillans, Ray Mead Road, Maidenhead, Berks. C 8940

IRISH REPUBLIC. Twenty years established firm of agents, holding several principal pharmaceutical agencies, seek additional agencies for top-grade advertised products only. Over 1,000 live chemist accounts open and regular 8/10 weeks contact. Service offered includes sell.ng, distributing, packaging and manufacturing. Unapproachable sales record, Full particulars by return and marketing advice on any new product or other information willingly. Box C 2037.

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Chemist/Grocery outlets, and/or Wholesalers, required to carry well-known product with T.V. and advertising backing. Apply Box C 8944.

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WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, ctc. No quantity too large, Our representative will call anywhere. Write or telephone:—Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Fel.: Bayswater 4020 and 7692. C 140

MANESTY NO. 3 TABLET MACHINES, old or new type. Details of age, condition, electric motor and price required. Box C 8936.

### WANTED

SURPLUS CAMERAS, ENLARGERS, CINE CAMERAS & PROJECTORS, PHOTOGRAPHIC EQUIPMENT OF EVERY DESCRIPTION. SURPLUS AND OUTDATED FILM & PAPER, LARGE OR SMALL QUANTITIES. Phone, write or call:—

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Phone: Blackfriars 1916, Bankers: Midland Bank, Ltd.

C 438

### MISCELLANEOUS SALES

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PATENT No. 702985. Improvements in and relating to Imines and Amino in and relating to Imines and Amino Compounds Prepared therefrom, The Proprietors of Patent No, 702985 desire to enter into arrangements by way of licence or otherwise on reasonable terms to ensure its full development and commercial working in this country. Address caquiries to: W. P. Thompson & Co., Chartered Patent and Trade Mark Agents, 12 Church Street, Liverpool, 1. C 2054

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STOCKTAKER, with some retail or wholesale experience but not necessarily in stocktaking itself, required by well-known firm of professional valuers. The position will offer good future prospects in return for efficient service. Please write initially with brief details of career to date and stating present salary. All replies will be treated in the strictest confidence. Box C 8909.

fidence. Box C 8909, STOCKTAKER with retail or wholesale experience not necessarily in stocktaking, required for London area, Position offers good future prospects, Apply with brief details to Box C 8951, All replies treated in strictest confidence.

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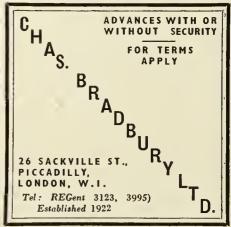
C 353

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C 409



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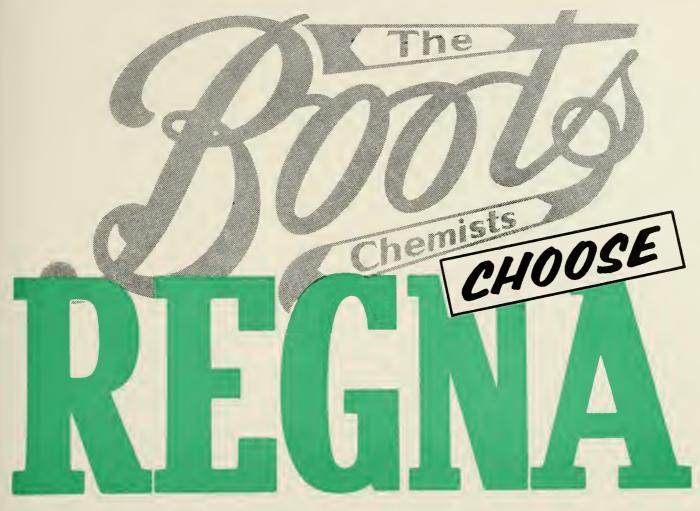
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Month's supply 6/3 Months' course 15/-

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